

GenCore version 5.1.9
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OM nucleic - nucleic search, using sw model

Run on: November 3, 2006, 20:51:16 ; Search time 2057.56 Seconds
(without alignments)
12719.092 Million cell updates/sec

Title: US-10-764-316-5
Perfect score: 468
Sequence: 1 tgaataataatggaacacac.....tggatgattgcaggagattt 468

Scoring table: OLIGO NUC
GAPOP 60.0 , Gapext 60.0

Searched: 48236798 seqs, 2795965780 residues

Word size : 1

Total number of hits satisfying chosen parameters: 96473154

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database :

EST:*

1: gb_est1:*
2: gb_est3:*
3: gb_est4:*
4: gb_est5:*
5: gb_est6:*
6: gb_est7:*
7: gb_est8:*
8: gb_est9:*
9: gb_est10:*
10: gb_est11:*
11: gb_est12:*
12: gb_est13:*
13: gb_est14:*
14: gb_est15:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	21	4.5	627	13	CW375149 fabb001f0
C 2	21	4.5	649	13	CW258112 104 723 1
C 3	21	4.5	682	13	CW375148 fabb001f0
C 4	21	4.5	983	14	CT013281 KBCH1211
C 5	21	4.5	999	14	DU750205 ASNFI346.
C 6	21	4.5	1217	12	CC314499 TAM32-17E
C 7	20	4.3	245	13	CL219260 ZMMBRC042
C 8	20	4.3	611	14	DX327753 OR_Aba024
C 9	20	4.3	613	9	CX687527 ydd80c08.
C 10	20	4.3	626	9	CX688942 yde22f05.
C 11	20	4.3	640	10	DT673917 813dtr6SC
C 12	20	4.3	679	11	BH557567 BOGO92TF
C 13	20	4.3	785	11	BZ162280 CH230-276
C 14	20	4.3	896	3	BU795670 SJF2DUA01
C 15	19	4.1	230	7	BZ212456 BB212456
C 16	19	4.1	281	7	BZ369985 BB369985
C 17	19	4.1	288	3	BQ803876 WHE2843 B
C 18	19	4.1	415	2	BG264482 daa82f12.
C 19	19	4.1	422	12	CC812860 ZMMBRC052

20	19	4.1	427	11	BH752910
C 21	19	4.1	428	11	AQ514846
22	19	4.1	437	8	CN184594
23	19	4.1	451	11	BZ379446
24	19	4.1	458	7	AW680443
C 25	19	4.1	468	9	CX538294
26	19	4.1	478	11	AQ130921
27	19	4.1	483	10	DV773477
C 28	19	4.1	492	14	CR900936
C 29	19	4.1	522	7	BE429624
C 30	19	4.1	549	2	BM136116
C 31	19	4.1	558	13	CZ891668
C 32	19	4.1	561	13	CW484121
C 33	19	4.1	567	4	CA639214
C 34	19	4.1	577	4	CB085812
C 35	19	4.1	577	14	DX171753
36	19	4.1	577	14	CR488931
37	19	4.1	578	3	BQ400766
C 38	19	4.1	579	11	AZ704872
C 39	19	4.1	587	12	CE742874
C 40	19	4.1	595	11	AZ170451
C 41	19	4.1	600	14	DX172123
C 42	19	4.1	617	13	DU224130
C 43	19	4.1	619	7	AW641002
C 44	19	4.1	624	7	BE492287
C 45	19	4.1	624	12	CE178051

ALIGNMENTS

RESULT 1
CW375149/c

LOCUS
DEFINITION

CW375149 627 bp DNA linear GSS 01-NOV-2004
fabb001f052907k0 Sorghum methylation filtered library (libid: 104)
Sorghum bicolor genomic clone fabb001f052907, genomic survey
sequence.

ACCESSION
CW375149

VERSION
CW375149.1

KEYWORDS
GSS.

SOURCE
Sorghum bicolor (sorghum)

ORGANISM
Sorghum bicolor

REFERENCE
1 (bases 1 to 627)

AUTHORS
Bedell, J.A., Budiman, M.A., Nunberg, A., Citek, R.W., Robbins, D.,
Jones, J., Flick, E., Rohlfing, T., Fries, J., Bradford, K.,
McMenamy, J., Smith, M., Holuman, H., Roe, B.A., Wiley, G., Korf, I.F.,
Rabinowicz, P.D., Lakey, N., McCombie, W.R., Jeddelloh, J.A. and
Martensen, R.A.

Sorghum genome sequencing by methylation filtration
PLoS Biol. 3 (1), e13 (2005)

TITLE
JOURNAL

PUBMED
15660154

COMMENT
Contact: Bedell JA
Orion Genomics, LLC
4041 Forest Park Ave, St. Louis, MO 63108, USA
Tel: 314 615 6379
Fax: 314 615 5975
Email: jbedell@oriongenomics.com
Plate: fabb001f052 row: g column: 07
Seq primer: k Reverse
Class: methylation filtered
High quality sequence stop: 627.

FEATURES
source

Location/Qualifiers

1..627

/organism="Sorghum bicolor"

/mol_type="genomic DNA"

/cultivar="ATx623"

/db_xref="taxon:4558"

/clone="fabb001f052907"

/clone_lib="Sorghum methylation filtered library (libid: 104)"

/notes="Organ: leaf; Vector: pBCSK(-); Site 1: HincII; DNA prepared from purified nuclei was randomly sheared, end-repaired, size fractionated to enrich for the 0.5 to 5 kb fraction, ligated into HincII-digested pBCSK(-) vector and electroporated into *E. coli* cells. This is a methylation filtered library."

ORIGIN

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Query Match      4.5%; Score 21; DB 13; Length 627;
Best Local Similarity 100.0%; Pred. No. 7;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 TGAATAAATGGAACACACA 21
467 TGAATAAATGGAACACACA 447

RESULT 2
 CW258112/c
 LOCUS
 DEFINITION
 linear GSS 30-OCT-2004
 649 bp
 DNA
 Sorghum methylation filtered library
 116 35158 066
 104 723 11227699
 Sorghum_bicolor genomic clone 11227699, genomic survey
 (LibID: 104)
 sequence.

ACCESSION CW258112
VERSION CW258112.1 GI:54966939
KEYWORDS GSS.
SOURCE Sorghum bicolor (sorghum)
ORGANISM Sorghum bicolor

REFERENCE
AUTHORS

1 (bases 1 to 649)
Bedell, J.A., Budiman, M.A., Nunberg, A., Citek, R.W., Robbins, D., Jones, J., Flick, E., Rohlfing, T., Fries, J., Bradford, K., McHenry, J., Smith, M., Holman, H., Roe, B.A., Wiley, G., Korf, I.F., Rabinowicz, P.D., Lakey, N., McCombie, W.R., Jeddalo, J.A. and Martienssen, R.A.

TITLE	Sorghum genome sequencing by methylation infiltration
JOURNAL	PLoS Biol. 3 (1), e13 (2005)
PUBLISHED	15660154
COMMENT	Contact: Bedell JA Orion Genomics, LLC 4041 Forest Park Ave, St. Louis, MO 63108, USA Tel: 314 615 6979 Fax: 314 615 5975 Email: jbedell@oriongenomics.com Plate: 723 row: 0 column: 19 Seq primer: T3 Reverse Class: methylation filtered high quality sequence stop: 649.

FEATURES

```

1. 649
/organism="Sorghum bicolor"
/mol_type="genomic DNA"
/cultivar="ATx623"
/db_xref="taxon:4558"
/clone="1122769"
/clone_lib="Sorghum methylation filtered library (LibID:
104)"
note="Organ: leaf; Vector: pCSK(-); Site 1: HincII; DNA
prepared from purified nuclei was randomly sheared,
end-repaired, size fractionated to enrich for the 0.5 to 5
kb fraction, ligated into HincII-digested pCSK(-) vector
and electroporated into E. coli cells. This is a
methylation filtered library."

```

ORIGIN

Query Match	4.5%	Score 21;	DB 13;	Length 649;
Best Local Similarity	100.0%	Pred. No. 7;		
0. Mismatches				
0. Mismatches				
0. Indels				
Gaps				

QY 1 TGAAATAAATGGAACACACA 21

425 TGAAATAAATGGAAACACACA 405

RESULT 3	DEFINITION
CW375148	
LOCUS	

CW375148
 fabb001f052g07f0 Sorghum methylation filtered library (LibID: 104)
 Sorghum bicolor genomic clone fabb001f052g07, genomic survey
 sequence.

ACCESSION CW375148
VERSION CW375148.1 GI:55093592
KEYWORDS GSS.
SOURCE Sorghum bicolor (sorghum)

Sorghum bicolor
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD
Poaceae; Sorghum.

1 (bases 1 to 682)
Bedell, J.A., Budiman, M.A., Nunberg, A., Citek, R.W., Robbins, D., Jones, J., Flick, E., Rohlfing, T., Fries, J., Bradford, K., Korf, I., McNamey, J., Smith, M., Holleman, H., Roe, B.A., Wiley, G., Korf, I., Rabinovic, P.D., Lakey, N., McCombie, W.R., Jeddeloh, J.A. and Martienssen, R.A.
Sorghum genome sequencing by methylation filtration
PLoS Biol 3 (1), e13 (2005)

TITLE	Sorghum genome sequencing by
TOURNAY	PLoS Biol. 3 (1), e13 (2005)

JOURNAL PUBMED
15660154
Contact: Bedell JA

Orion Genomics, LLC
4041 Forest Park Ave, St. Louis, MO 63108, USA
Tel: 314 615 6979
Fax: 314 615 5975

FAX: 314 615 3373
Email: jbedell@oriongenomics.com
500016052 row. a column: 07

plate: f6bb001f052 row: 9
seq primer: f Forward
Class: methylation filtered
with quality sequence stop: 682.

FEATURES

```

1. .682
/organism="Sorghum bicolor"
/mol_type="genomic DNA"
/cultivar="Atx623"
/db_xref="taxon:4558"
/clones="fbb001f052907"
/clone_lib="Sorghum methylation filtered library (LibID:
104)"
/note="Organ: leaf; Vector: pBCSK(-); Site 1: HincII; DNase
I: 1000; DNase II: 1000; DNase III: 1000; DNase IV: 1000;
prepared from purified nuclei was randomly sheared,
end-repaired, size fractionated to enrich for the 0.5 to
1 kb fraction, ligated into HincII-digested pBCSK(-) vector
and electroporated into E. coli cells. This is a
methylated, filtered library."

```

ORIGIN

Query Match	Score 21;	DB 13;	Length 682;
Similarity	4.5%		
Pred. No.	100.0%	7.1;	

QY 1 TGAAATAAATGGAACACACA 21
|||||
477 TGAAATAAATGGAACACACA 497
|||||

RESIT.T 4

C
CT013281 983 bp DNA linear GSS 09-AUG-2005
KBRH12I17 genomic clone, KBrH (HindIII) BAC library Brassica rapa
survey sequence.

subsp. *pekinensis*, geno
CT013281

VERSION	CT013281.1	GI:71477141
KEYWORDS	GSS.	
SOURCE	Brassica rapa subsp. pekinensis	
ORGANISM	Brassica rapa subsp. pekinensis	
	Eukaryota; Viridiplantae; Strept	

Brassica rapa subsp. *pekinensis*
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Tracheophyta; Tracheophyta

Mon Nov 6 11:55:55 2006

```

AUTHORS      Kim,H., Collura,K., Wissoteki,M., Byrne,M., Stum,D., Smart,D.,
              Rao,K., Luo,M., Jetty,R., Kudrna,D., Muller,C., Soderlund,C. and
              Wing,R.
TITLE        OMPA (Oryza Map Alignment Project)- Arizona Genomics Institute
JOURNAL      Unpublished (2005)
COMMENT      Contact: Rod A. Wing
              Arizona Genomics Institute
              University of Arizona
              Forbes Building Room 303, Tucson, AZ 85721-0036, USA
              Tel: 520 626 9595
              Fax: 520 621 1259
              Email: rwing@genome.arizona.edu
              Plate: 0248 row: 0 column: 05
              Class: BAC ends.
FEATURES     Location/Qualifiers
              1..611
                /organism="Oryza ridleyi"
                /mol_type="genomic DNA"
                /db_xref="taxon:83308"
                /clone="OR_Aba0248005"
                /tissue_type="leaves"
                /lab_host="DH10B"
                /clone_lib="OR_Aba"
                /note="Vector: pAG1BAC1; Site_1: HindIII; Site_2: HindIII"
ORIGIN
Query Match      4.3%; Score 20; DB 14; Length 611;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      334  TGTTCCTTCCTCAACCATG 353
Db      264  TGTTCCTTCCTCAACCATG 245

RESULT 9
LOCUS   CX687527
DEFINITION CX687527 613 bp mRNA linear EST 19-JAN-2005
          clone ydd80c08.5', mRNA sequence.
ACCESSION CX687527
VERSION   CX687527
KEYWORDS  EST.
SOURCE    Strongylocentrotus purpuratus
          ORGANISM
            Eukaryota; Metazoa; Echinodermata; Eleutherozoa; Echinozoa;
            Echinoidae; Euechinoidae; Echinacea; Echinoida;
            Strongylocentrotidae; Strongylocentrotus.
            1 (bases 1 to 613)
REFERENCE Coffman,J.A., Robertson,A.J., Clifton,S., Pape,D., Hillier,L.,
          Martin,J., Wylie,T., Dante,M., Meyer,R., Theising,B., Bowers,Y.,
          Gibbons,M., Ronko,I., Tsagarishvili,R., Ritter,E., Kennedy,S. and
          Wilson,R.
          WashU Sea Urchin EST Project
          Unpublished (2004)
          Contact: Dr. James A. Coffman
          WashU Sea Urchin EST Project
          Washington University School of Medicine
          4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
          Tel: 314 286 1800
          Fax: 314 286 1810
          Email: est@watson.wustl.edu
          DNA sequencing by: Washington University Genome Sequencing Center
          Seq primer: -28RFP01
          High quality sequence stop: 613.
          Location/Qualifiers
            1..613
              /organism="Strongylocentrotus purpuratus"
              /mol_type="mRNA"
              /db_xref="taxon:7668"
              /clone="ydd80c08"
              /lab_host="DH10B"
              /clone_lib="Sea urchin EST Lib1"
FEATURES     source
              1..611
                /organism="Oryza ridleyi"
                /mol_type="genomic DNA"
                /db_xref="taxon:83308"
                /clone="OR_Aba0248005"
                /tissue_type="leaves"
                /lab_host="DH10B"
                /clone_lib="OR_Aba"
                /note="Vector: pAG1BAC1; Site_1: HindIII; Site_2: HindIII"
ORIGIN
Query Match      4.3%; Score 20; DB 13; Length 245;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      248  TCACACAGACGCTGATGA 267
Db      2   TCACACAGACGCTGATGA 21

RESULT 8
LOCUS   DX327753/c
DEFINITION DX327753 611 bp DNA linear GSS 20-JAN-2006
          OR_Aba0248005.r OR_Aba Oryza ridleyi genomic clone OR_Aba0248005
          3', genomic survey sequence.
ACCESSION DX327753
VERSION   DX327753
KEYWORDS  GSS.
SOURCE    Oryza ridleyi
          ORGANISM
            Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
            Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; BEP
            clade; Ehrhartoideae; Oryzeae; Oryza.
            1 (bases 1 to 611)
REFERENCE 1

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/note="Vector: pCMVSPORT6.1 (Invitrogen); Site 1: NotI;
Site 2: SmaI; Arrayed normalized library of full-length
cDNAs representing blastula stage transcriptome of the sea
urchin Strongylocentrotus purpuratus, cloned into the
vector pCMVSPORT6.1 (Invitrogen)."

ORIGIN

Query Match 4.3%; Score 20; DB 9; Length 613;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 101 ACGTTGACTGACGCGAGAATT 120
|||||
Db 502 ACGTTGACTGACGCGAGAATT 521
|||||

RESULT 10

CX688942 626 bp mRNA linear EST 19-JAN-2005
LOCUS yde22f05.y2 Sea urchin EST Lib1 Strongylocentrotus purpuratus cDNA
DEFINITION clone yde22f05 5', mRNA sequence.

ACCESSION CX688942
VERSION CX688942.1 GI:57950601
KEYWORDS EST.

SOURCE

ORGANISM Strongylocentrotus purpuratus
Eukaryota; Metazoa; Echinodermata; Eleutherozoa; Echinozoa;
Echinoidea; Euechinoidea; Echinacea; Echinoida;
Strongylocentrotidae; Strongylocentrotus.

REFERENCE

AUTHORS Coffman, J.A., Robertson, A.J., Clifton, S., Pape, D., Hillier, L.,
Martin, J., Wylie, T., Dante, M., Meyer, R., Theising, B., Bowers, Y.,
Gibbons, M., Ronko, I., Tsagaris, V., Ritter, E., Kennedy, S. and
Wilson, R.

TITLE

WashU Sea Urchin EST Project
Unpublished (2004)
Contact: Dr. James A. Coffman
WashU Sea Urchin EST Project
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810

COMMENT

Email: est@watson.wustl.edu
DNA sequencing by: Washington University Genome Sequencing Center
Seq primer: -28Rppot
High quality sequence stop: 626.

FEATURES

source
1..626
/organism="Strongylocentrotus purpuratus"
/mol_type="mRNA"
/db_xref="taxon:7668"
/clone="yde22f05"
/lab_host="DH10B"
/clone_lib="Sea urchin EST Lib1"
/note="Vector: pCMVSPORT6.1 (Invitrogen); Site 1: NotI;
Site 2: SmaI; Arrayed normalized library of full-length
cDNAs representing blastula stage transcriptome of the sea
urchin Strongylocentrotus purpuratus, cloned into the
vector pCMVSPORT6.1 (Invitrogen)."

ORIGIN

Query Match 4.3%; Score 20; DB 9; Length 626;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 101 ACGTTGACTGACGCGAGAATT 120
|||||
Db 478 ACGTTGACTGACGCGAGAATT 497
|||||

RESULT 11

DT673917/c 640 bp mRNA linear EST 09-SEP-2005
LOCUS DT673917

DEFINITION

s13dLT65C12PM098 505552 Darnel ryegrass, Lolium temulentum L.,
Floral meristem Lolium temulentum cDNA, mRNA sequence.

ACCESSION

DT673917

VERSION

DT673917.1 GI:74338096

KEYWORDS

EST.

SOURCE

Lolium temulentum

ORGANISM

Lolium temulentum

REFERENCE

AUTHORS Wang, Z.Y., Mian, M.A.R., Zhang, Y., Zhang, J., Cheng, X., Chen, L.,
Scott, A.D., Harris, A.R., Gonzales, R.A. and May, G.D.

TITLE

ESTs from Darnel ryegrass, Lolium temulentum L., Floral meristem

JOURNAL

Unpublished (2005)

COMMENT

Contact: May GD

Plant Biology Division

The Samuel Roberts Noble Foundation

2510 Sam Noble Parkway, Ardmore, OK 73402, USA

Tel: 580 224 6650

Fax: 580 224 6692

Email: gdmay@noble.org

LOCATION/Qualifiers

1..640

FEATURES

source

/organism="Lolium temulentum"

/mol_type="mRNA"

/db_xref="taxon:34176"

/tissue_type="Floral meristem"

/dev_stage="Six-week-old"

/clone_lib="Darnel ryegrass, Lolium temulentum L., Floral

meristem"

/note="Vector: Lambda Zap; Floral meristems of Darnel

ryegrass, Lolium temulentum L. were isolated from

greenhouse plants four days after long-day treatment. The

plants were initially grown at short-day conditions for

six weeks before the long day treatment. mRNAs were

isolated from floral meristems and used for cDNA library

construction."

ORIGIN

Query Match 4.3%; Score 20; DB 10; Length 640;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY

399 TTTTTCAGTCTCTCAACAGA 418
|||||

Db

302 TTTTTCAGTCTCTCAACAGA 283
|||||

RESULT 12

BH557567/c

LOCUS

BH557567

DEFINITION

BOGOG92TF BOGO Brassica oleracea genomic clone BOGOG92, genomic

survey sequence.

ACCESSION

BH557567

VERSION

BH557567.1 GI:17809347

KEYWORDS

GSS

SOURCE

Brassica oleracea

ORGANISM

Brassica oleracea

REFERENCE

AUTHORS Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons;
rosids; eurosids II; Brassicales; Brassicaceae; Brassica.

TITLE

Whole genome shotgun sequencing of Brassica oleracea and its

application to gene discovery and annotation in Arabidopsis

Genome Res. 15 (4), 487-495 (2005)

15805490

Other_GSSs: BOGOG92TR

Contact: Chris Town

TIGR

9712 Medical Center Drive, Rockville, MD 20850, USA.

/note="vector: PTABAC1.3; Site1: MboI; Site 2: MboI;
CHORI-230 Rat (BN/SnHsd/MCW) BAC library produced by
Pieter de Jong"

ORIGIN

Query Match 4.3%; Score 20; DB 11; Length 785;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 67 GGTTCAGGAGGAGGGGCGAG 86
|||||

Db 206 GGTTCAGGAGGAGGGGCGAG 187
|||||

RESULT 14

BU795670 896 bp mRNA linear EST 23-OCT-2003
SJF2DUA01 SJF Schistosoma japonicum cDNA, mRNA sequence.

ACCESSION BU795670

VERSION BU795670.1 GI:28352677

KEYWORDS EST.

SOURCE Schistosoma japonicum

ORGANISM Schistosoma japonicum

REFERENCE 1 (bases 1 to 896)

AUTHORS Hu, W., Yan, Q., Shen, D. K., Liu, F., Zhu, Z. D., Song, H. D., Xu, X. R.,

Wang, Z. J., Rong, Y. P., Zeng, L. C., Wu, J., Zhang, X., Wang, J. J.,

Xu, X. N., Wang, S. Y., Fu, G., Zhang, X. L., Wang, Z. Q., Brindley, P. J.,

McManus, D. P., Xue, C. L., Peng, Z., Chen, Z. and Han, Z. G.

Evolutionary and biomedical implications of a Schistosoma japonicum

complementary DNA resource

Nat. Genet. 35 (2), 139-147 (2003)

12973349

Contact: Zeguang Han

Chinese National Human Genome Center at Shanghai

351 Guo Shoujing Road, Zhangjiang Hi-Tech Park, Pudong, Shanghai

201203, P. R. China

Tel: 86-21-50801919 (ex.45)

Fax: 86-21-50801922

Email: hanzg@chgc.sh.cn.

Location/Qualifiers

1..896

/organism="Schistosoma japonicum"

/mol_type="mRNA"

/db_xref="taxon:6182"

/sex="female"

/tissue_type="whole body"

/dev_stage="adult"

/lab_host="rabbits"

/clone_lib="SJF"

Query Match 4.3%; Score 20; DB 3; Length 896;

Best Local Similarity 100.0%; Pred. No. 26;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 AAAATAAATGGAACACACAT 22
|||||

Db 704 AAAATAAATGGAACACACAT 723
|||||

RESULT 15

BB212456/c

LOCUS BB212456

DEFINITION BB212456 RIKEN full-length enriched, 0 day neonate thymus Mus

musculus cDNA clone A430110009 3', mRNA sequence.

ACCESSION BB212456

VERSION BB212456.1 GI:8877409

KEYWORDS EST.

SOURCE Mus musculus (house mouse)

ORGANISM Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Tel: 301-838-3523
Fax: 301-838-0208
Email: cdtown@tigr.org
DNA is from a doubled haploid provided by Tom Osborn.
Seq primer: TF
Class: sheared ends.

FEATURES
source

Location/Qualifiers

1..679

/organism="Brassica oleracea"

/mol_type="genomic DNA"

/strain="T01000H3"

/db_xref="taxon:3712"

/clone="BOG092"

/clone_lib="BOGO"

/note="vector: pROS1; Site 1: BstXI; 2-3 kb sheared

genomic DNA inserted into pROS1 using BstXI linkers"

Query Match 4.3%; Score 20; DB 11; Length 679;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 326 GGTATGATGTTTCTTC 345
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Db 107 GGTATGATGTTTCTTC 88
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RESULT 13

BZ162280/c

LOCUS BZ162280

DEFINITION BZ162280 TV CHORI-230 Segment 2 Rattus norvegicus genomic clone

CH230-276024, genomic survey sequence.

ACCESSION BZ162280

VERSION BZ162280.1 GI:23803252

KEYWORDS GSS.

SOURCE Rattus norvegicus (Norway rat)

ORGANISM Rattus norvegicus

REFERENCE 1 (bases 1 to 785)

AUTHORS Zhao, S., Shetty, J., Shatman, S., Tseng, G., Geer, K.,

Shvartsbeyn, A., Gebregeorgis, E., Overton, L., Russell, D., Chen, D.,

Riggs, F., de Jong, P. and Fraser, C. M.

Rat BAC End Sequences from Library CHORI-230 MboI segment

Unpublished (1999)

Other GSSs: CH230-276024.TJ

Contact: Shaying Zhao

Department of Eukaryotic Genomics

The Institute for Genomic Research

9712 Medical Center Dr., Rockville, MD 20850, USA

Tel: 301 838 0200

Fax: 301 838 0208

Email: szhao@tigr.org

Clones are derived from the rat BAC library CHORI-230

(http://www.chori.org/bacpac/rat230.htm). For BAC library

availability, please contact Pieter de Jong (pdejong@mail.cho.org).

Clones may be purchased from BACPAC Resources

(http://www.chori.org/bacpac/or ering_information.htm). BAC end

page: http://www.tigr.org/tldb/bac_ends/rat/bac_end_intro.html

Plate: 276 row: 0 column: 24

Seq primer: T7

Class: BAC ends.

Location/Qualifiers

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/organism="Rattus norvegicus"

/mol_type="genomic DNA"

/strain="BN/SnHsd/MCW"

/db_xref="taxon:10116"

/clone="CH230-276024"

/sex="female"

/cell_type="Brain"

/clone_lib="CHORI-230 Segment 2"

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GenCore version 5.1.1.9
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(without alignments)
9311.708 Million cell updates/sec

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Gapop 60.0 , Gapext 60.0

Searched: 2461376 seqs, 970166171 residues

Word size : 1

Total number of hits satisfying chosen parameters: 4922276

Minimum DB seq length: 0
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	467	99.8	2305	6 US-10-764-316-3	Sequence 3, Appli
3	300	64.1	412	8 US-11-136-524-10	Sequence 10, Appli
C 4	19	4.1	1458	9 US-11-056-355B-72462	Sequence 72462, A
C 5	19	4.1	1461	9 US-11-056-355B-72470	Sequence 72470, A
C 6	18	3.8	575	8 US-11-266-748A-61868	Sequence 61868, A
C 7	18	3.8	691	6 US-10-953-349-3167	Sequence 3167, Ap
C 8	18	3.8	1000	8 US-11-266-748A-114823	Sequence 114823, A
C 9	18	3.8	1000	8 US-11-266-748A-119554	Sequence 119554, A
C 10	18	3.8	1000	8 US-11-266-748A-195502	Sequence 195502, A
C 11	18	3.8	1000	8 US-11-266-748A-281826	Sequence 281826, A
C 12	18	3.8	1000	8 US-11-266-748A-308466	Sequence 308466, A
C 13	18	3.8	1000	8 US-11-266-748A-390944	Sequence 390944, A
C 14	18	3.8	1000	8 US-11-266-748A-481562	Sequence 481562, A
C 15	18	3.8	1037	8 US-11-266-748A-931124	Sequence 931124, A
C 16	18	3.8	1037	8 US-11-266-748A-145935	Sequence 145935, A
C 17	18	3.8	1356	9 US-11-348-413-13626	Sequence 13626, A
C 18	18	3.8	1952	6 US-10-449-902-28210	Sequence 28210, A
C 19	18	3.8	5526	6 US-10-540-898-796	Sequence 796, App
C 20	18	3.8	12610	6 US-10-517-441-441	Sequence 441, App
C 21	18	3.8	12610	6 US-10-517-441-715	Sequence 715, App
C 22	18	3.8	84675	6 US-10-539-228-398	Sequence 398, App
C 23	18	3.8	109661	6 US-10-540-898-795	Sequence 795, App

ALIGNMENTS

RESULT 1

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; Sequence 5, Application US/10764316
; Publication No. US20060127359A1
; GENERAL INFORMATION:
; APPLICANT: BORELLI, MICHAEL J.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR HEAT ACTIVATED GENE
; FILE REFERENCE: 10546-109
; CURRENT APPLICATION NUMBER: US/10764,316
; CURRENT FILING DATE: 2004-01-23
; PRIOR APPLICATION NUMBER: 60/442,473
; PRIOR FILING DATE: 2003-01-24
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 5
; LENGTH: 468
; TYPE: DNA
; ORGANISM: Escherichia coli
US-10-764-316-5

Query Match	100.0%;	Score 468;	DB 6;	Length 468;
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Matches 468;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
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Db	1	TGAAATAAATGGAACACACATGTCGACAACTGTTTACGGGAAGTGGTCTGTGTATAT	60	
Qy	61	CCTGATGGTTCAGAGGCGAGGCGAGTACAGCTTCTGCAACGTTGACTGAGCGAGATT	120	
Db	61	CCTGATGGTTCAGAGGCGAGGCGAGTACAGCTTCTGCAACGTTGACTGAGCGAGATT	120	
Qy	121	TAGCACTCTCGGTATTCGCGATGAATGATATATCTTGGAAATACCGGAACCAATAGTCGCCC	180	
Db	121	TAGCACTCTCGGTATTCGCGATGAATGATATATCTTGGAAATACCGGAACCAATAGTCGCCC	180	
Qy	181	ACAGGAGTGTGTTATATATATTTCTCACGTGTTGATGATTCGCTAACAGAGTAATCTTGC	240	
Db	181	ACAGGAGTGTGTTATATATATTTCTCACGTGTTGATGATTCGCTAACAGAGTAATCTTGC	240	
Qy	241	GATTGTTTCAACAGAGAGCTGATGAGGTGATTGTTTACCTCCCTCAACTGTTGATC	300	
Db	241	GATTGTTTCAACAGAGAGCTGATGAGGTGATTGTTTACCTCCCTCAACTGTTGATC	300	
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Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1281 TTGTTTCAACAGAGAGC 1263

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; Sequence 72470, Application US/11056355B
; Publication No. US20060150283A1
; GENERAL INFORMATION:
; APPLICANT: Brover, Vyacheslav
; TITLE OF INVENTION: Sequence Determined DNA Fragments and Corresponding
; FILE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 2750-1590PUS2
; CURRENT APPLICATION NUMBER: US/11/056,355B
; PRIOR FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: 60/544,190
; PRIOR FILING DATE: 2004-02-13
; NUMBER OF SEQ ID NOS: 119966
; SEQ ID NO 72470
; LENGTH: 1461
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(1461)
; OTHER INFORMATION: Ceres Seq. ID no. 4935571
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(1461)
; OTHER INFORMATION: Ortholog of Ceres SEQ ID NO 13574398
; OTHER INFORMATION: as cited in SEQ ID NO 0
US-11-056-355B-72470

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Best Local Similarity 100.0%; Pred. No. 3.5;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 243 TTGTTTCAACAGAGAGC 261
Db 1284 TTGTTTCAACAGAGAGC 1266

RESULT 6
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; Sequence 61868, Application US/11266748A
; Publication No. US20060134663A1
; GENERAL INFORMATION:
; APPLICANT: Harkin, Paul
; APPLICANT: Johnston, Patrick
; APPLICANT: Mulligan, Karl
; TITLE OF INVENTION: Transcriptome Microarray Technology and
; FILE OF INVENTION: Methods of Using the Same
; FILE REFERENCE: 55815-0102 (319189)
; CURRENT APPLICATION NUMBER: US/11/266,748A
; CURRENT FILING DATE: 2005-11-03
; PRIOR APPLICATION NUMBER: EP 04105479.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105482.6
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105483.4
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105507.0
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105485.9
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105484.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: US 60/662,276
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; PRIOR FILING DATE: 2005-03-14
; PRIOR APPLICATION NUMBER: US 60/700,293
; PRIOR FILING DATE: 2005-07-18
; NUMBER OF SEQ ID NOS: 483996
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 61868
; LENGTH: 575
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (438)..(438)
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US-11-266-748A-61868

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Best Local Similarity 100.0%; Pred. No. 12;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 331 TGATGTTTCTTCTCAAC 348
Db 90 TGATGTTTCTTCTCAAC 73

RESULT 7
US-10-953-349-3167/c
; Sequence 3167, Application US/10953349
; Publication No. US20060107345A1
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nikolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE OF INVENTION: ENCODED THERBY
; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 40252
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 3167
; LENGTH: 691
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; US-10-953-349-3167

Query Match 3.8%; Score 18; DB 6; Length 691;
Best Local Similarity 100.0%; Pred. No. 12;
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us-10-764-316-5.olig.rnpbn

Mon Nov 6 11:55:54 2006

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 190 GTTATATATTTCTCACG 207
Db 689 GTTATATATTTCTCACG 672

RESULT 8

US-11-266-748A-114823
; Sequence 114823, Application US/11266748A
; Publication No. US20060134663A1
; GENERAL INFORMATION:
; APPLICANT: Harkin, Paul
; APPLICANT: Johnston, Patrick
; APPLICANT: Mulligan, Karl
; TITLE OF INVENTION: Transcriptome Microarray Technology and
; TITLE OF INVENTION: Methods of Using the Same
; FILE REFERENCE: 55815-0102 (319189)
; CURRENT APPLICATION NUMBER: US/11/266,748A
; CURRENT FILING DATE: 2005-11-03
; PRIOR APPLICATION NUMBER: EP 04105479.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105482.6
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105483.4
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105507.0
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105485.9
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105484.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: US 60/662,276
; PRIOR FILING DATE: 2005-03-14
; PRIOR APPLICATION NUMBER: US 60/700,293
; PRIOR FILING DATE: 2005-07-18
; NUMBER OF SEQ ID NOS: 483996
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 114823
; LENGTH: 1000
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-11-266-748A-114823

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Best Local Similarity 100.0%; Pred. No. 13;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 870 GTAATGATGTTTCTTCT 887

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; Publication No. US20060134663A1
; GENERAL INFORMATION:
; APPLICANT: Harkin, Paul
; APPLICANT: Johnston, Patrick
; APPLICANT: Mulligan, Karl
; TITLE OF INVENTION: Transcriptome Microarray Technology and
; TITLE OF INVENTION: Methods of Using the Same
; FILE REFERENCE: 55815-0102 (319189)
; CURRENT APPLICATION NUMBER: US/11/266,748A
; CURRENT FILING DATE: 2005-11-03
; PRIOR APPLICATION NUMBER: EP 04105479.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105482.6
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; PRIOR APPLICATION NUMBER: EP 04105483.4
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105507.0

; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105485.9
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105484.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: US 60/662,276
; PRIOR FILING DATE: 2005-03-14
; PRIOR APPLICATION NUMBER: US 60/700,293
; PRIOR FILING DATE: 2005-07-18
; NUMBER OF SEQ ID NOS: 483996
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 119954
; LENGTH: 1000
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-11-266-748A-119954

Query Match 3.8%; Score 18; DB 8; Length 1000;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 327 GTAATGATGTTTCTTCT 344
Db 131 GTAATGATGTTTCTTCT 114

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US-11-266-748A-195502
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; Publication No. US20060134663A1
; GENERAL INFORMATION:
; APPLICANT: Harkin, Paul
; APPLICANT: Johnston, Patrick
; APPLICANT: Mulligan, Karl
; TITLE OF INVENTION: Transcriptome Microarray Technology and
; TITLE OF INVENTION: Methods of Using the Same
; FILE REFERENCE: 55815-0102 (319189)
; CURRENT APPLICATION NUMBER: US/11/266,748A
; CURRENT FILING DATE: 2005-11-03
; PRIOR APPLICATION NUMBER: EP 04105479.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105482.6
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105483.4
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; PRIOR APPLICATION NUMBER: EP 04105507.0
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105485.9
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105484.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: US 60/662,276
; PRIOR FILING DATE: 2005-03-14
; PRIOR APPLICATION NUMBER: US 60/700,293
; PRIOR FILING DATE: 2005-07-18
; NUMBER OF SEQ ID NOS: 483996
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 195502
; LENGTH: 1000
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-11-266-748A-195502

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Qy 327 GTAATGATGTTTCTTCT 344
Db 870 GTAATGATGTTTCTTCT 887

RESULT 11

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RESULT 12
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; Publication No, US20060134663A1
; GENERAL INFORMATION:
; APPLICANT: Harkin, Paul
; APPLICANT: Johnston, Patrick
; APPLICANT: Mulligan, Karl
; TITLE OF INVENTION: Transcriptome Microarray Technology and
; TITLE OF INVENTION: Methods of Using the Same
; FILE REFERENCE: 55815-0102 (313189)
; CURRENT APPLICATION NUMBER: US/11/266,748A
; CURRENT FILING DATE: 2005-11-03
; PRIOR APPLICATION NUMBER: EP 04105479.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105482.6
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105483.4
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105507.0
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105485.9
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105484.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: US 60/662,276
; PRIOR FILING DATE: 2005-03-14
; PRIOR APPLICATION NUMBER: US 60/700,293

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RESULT 14
US-11-266-748A-481662/c
; Sequence 481662, Application US/11266748A
; Publication No. US20060134663A1
; GENERAL INFORMATION:
; APPLICANT: Harkin, Paul
; APPLICANT: Johnston, Patrick
; APPLICANT: Mulligan, Karl
; TITLE OF INVENTION: Transcryptome Microarray Technology and

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Best Local Similarity 100.0%; Pred. No. 13;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 365 AGTTCTTCAACAGACAAA 382
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;; PRIOR APPLICATION NUMBER: EP 04105479.2
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;; PRIOR APPLICATION NUMBER: EP 04105482.6
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;; PRIOR APPLICATION NUMBER: EP 04105507.0
;; PRIOR FILING DATE: 2004-11-03
;; PRIOR APPLICATION NUMBER: EP 04105485.9
;; PRIOR FILING DATE: 2004-11-03
;; PRIOR APPLICATION NUMBER: EP 04105484.2
;; PRIOR FILING DATE: 2004-11-03
;; PRIOR APPLICATION NUMBER: US 60/662,276
;; PRIOR FILING DATE: 2005-03-14
;; PRIOR APPLICATION NUMBER: US 60/700,293
;; PRIOR FILING DATE: 2005-07-18
;; NUMBER OF SEQ ID NOS: 483996
;; SOFTWARE: PatentIn version 3.3
;; SEQ ID NO 481662
;; LENGTH: 1000
;; TYPE: DNA
;; ORGANISM: Homo Sapiens
US-11-266-748A-481662
Query Match 3.8%; Score 18; DB 8; Length 1000;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 327 GTAATGATGTTTCTTCT 344
DB 131 GTAATGATGTTTCTTCT 114

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; Sequence 93124, Application US/11266748A
; Publication No. US20060134663A1
; GENERAL INFORMATION:
; APPLICANT: Harkin, Paul
; APPLICANT: Johnston, Patrick
; APPLICANT: Mulligan, Karl
; TITLE OF INVENTION: Transcriptome Microarray Technology and
; TITLE OF INVENTION: Methods of Using the Same
; FILE REFERENCE: 55815-0102 (319189)
; CURRENT APPLICATION NUMBER: US/11/266,748A
; CURRENT FILING DATE: 2005-11-03
; PRIOR APPLICATION NUMBER: EP 04105479.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105482.6
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105483.4
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105507.0
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105485.9
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105484.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: US 60/662,276
; PRIOR FILING DATE: 2005-03-14
; PRIOR APPLICATION NUMBER: US 60/700,293
; PRIOR FILING DATE: 2005-07-18
; NUMBER OF SEQ ID NOS: 483996
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 93124
; LENGTH: 1037
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-11-266-748A-93124

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DM nucleic - nucleic search, using sw model

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Title: US-10-764-316-5
Perfect score: 468
Sequence: 1 tgaataataatggaacac.....tggatgattgcaggagattt 468

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2: /EMC Celerra_SIDS3/ptodata/2/ina/5 COMB.seq.*
3: /EMC Celerra_SIDS3/ptodata/2/ina/6A COMB.seq.*
4: /EMC Celerra_SIDS3/ptodata/2/ina/6B COMB.seq.*
5: /EMC Celerra_SIDS3/ptodata/2/ina/7 COMB.seq.*
6: /EMC Celerra_SIDS3/ptodata/2/ina/H COMB.seq.*
7: /EMC Celerra_SIDS3/ptodata/2/ina/PCTUS COMB.seq.*
8: /EMC Celerra_SIDS3/ptodata/2/ina/PP COMB.seq.*
9: /EMC Celerra_SIDS3/ptodata/2/ina/RE COMB.seq.*
10: /EMC Celerra_SIDS3/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	18	3.8	1017	3	US-09-328-352-597
2	18	3.8	1356	3	US-09-134-001C-617
3	18	3.8	1356	3	US-09-710-279-2907
4	18	3.8	3069	3	US-09-710-279-4352
5	18	3.8	3206	3	US-09-710-279-4382
6	18	3.8	4249	3	US-09-710-279-4133
7	18	3.8	34047	3	US-09-949-016-13503
8	18	3.8	67581	3	US-09-949-016-14768
9	18	3.8	67643	3	US-09-949-016-14760
10	18	3.8	117838	3	US-09-949-016-17595
11	18	3.8	15617	3	US-09-949-016-16191
12	18	3.8	193303	3	US-09-497-855A-37
13	18	3.8	193303	3	US-09-497-855A-44
14	18	3.8	202111	3	US-09-949-016-13877
15	17	3.6	38	3	US-09-371-772B-11741
16	17	3.6	38	5	US-10-138-674B-14018
17	17	3.6	198	3	US-09-248-796A-13245
18	17	3.6	338	3	US-09-513-999C-33496
19	17	3.6	601	3	US-09-949-016-42562
20	17	3.6	601	3	US-09-949-016-42563
21	17	3.6	601	3	US-09-949-016-42564
22	17	3.6	601	3	US-09-949-016-140295
23	17	3.6	601	3	US-09-949-016-140296

c	24	17	3.6	601	3	US-09-949-016-140297	Sequence 140297,
	25	17	3.6	601	3	US-09-949-016-160534	Sequence 160534,
	26	17	3.6	601	3	US-09-949-016-160535	Sequence 160535,
	27	17	3.6	601	3	US-09-949-016-189929	Sequence 189929,
c	28	17	3.6	609	3	US-09-328-111-609	Sequence 609, App
c	29	17	3.6	1164	3	US-09-248-796A-2935	Sequence 2935, App
c	30	17	3.6	1183	3	US-09-949-016-3675	Sequence 3675, App
c	31	17	3.6	1197	3	US-09-328-352-1131	Sequence 1131, App
c	32	17	3.6	1386	3	US-09-328-352-981	Sequence 981, App
	33	17	3.6	1467	3	US-09-489-039A-1303	Sequence 1303, App
	34	17	3.6	2212	3	US-09-917-254-24	Sequence 24, Appl
	35	17	3.6	2237	2	US-08-463-620-1	Sequence 1, Appli
	36	17	3.6	2237	2	US-08-224-917-1	Sequence 1, Appli
	37	17	3.6	2237	2	US-08-914-853-1	Sequence 1, Appli
	38	17	3.6	2237	7	PCT-US95-0393A-1	Sequence 1, Appli
c	39	17	3.6	2412	4	US-10-094-749-241	Sequence 241, App
	40	17	3.6	4743	3	US-09-902-540-7191	Sequence 7191, App
c	41	17	3.6	5822	3	US-09-902-540-668	Sequence 668, App
	42	17	3.6	10357	3	US-08-961-527-191	Sequence 191, App
	43	17	3.6	27284	3	US-09-949-016-15417	Sequence 15417, A
	44	17	3.6	28720	3	US-09-341-587-7	Sequence 7, Appli
c	45	17	3.6	38343	3	US-09-949-016-15714	Sequence 15714, A

ALIGNMENTS

RESULT 1
US-09-328-352-597
; Sequence 597, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 597
; LENGTH: 1017
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-597

Query Match 3.8%; Score 18; DB 3; Length 1017;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 316 CATTAGAAATTGGTAATGA 333
DB 471 CATTAGAAATTGGTAATGA 488

RESULT 2
US-09-134-001C-617
; Sequence 617, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 617
; LENGTH: 1356
; TYPE: DNA

us-10-764-316-5-olig.rn1

Mon Nov 6 11:55:54 2006

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; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-617

Query Match      3.8%; Score 18; DB 3; Length 1356;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 451 GATGATTGCAGGAGATT 468
Db 702 GATGATTGCAGGAGATT 719

RESULT 3
US-09-710-279-2907
; Sequence 2907, Application US/09710279
; Patent No. 6703492
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/09/710,279
; CURRENT FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2907
; LENGTH: 1356
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: nucleic acid sequence
US-09-710-279-2907

Query Match      3.8%; Score 18; DB 3; Length 1356;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 451 GATGATTGCAGGAGATT 468
Db 702 GATGATTGCAGGAGATT 719

RESULT 4
US-09-710-279-4352/c
; Sequence 4352, Application US/09710279
; Patent No. 6703492
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/09/710,279
; CURRENT FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4352
; LENGTH: 3069
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: nucleic acid sequence
US-09-710-279-4352

Query Match      3.8%; Score 18; DB 3; Length 3069;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 451 GATGATTGCAGGAGATT 468
Db 702 GATGATTGCAGGAGATT 719

RESULT 5
US-09-710-279-4382
; Sequence 4382, Application US/09710279
; Patent No. 6703492
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/09/710,279
; CURRENT FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4382
; LENGTH: 3206
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: nucleic acid sequence
US-09-710-279-4382

Query Match      3.8%; Score 18; DB 3; Length 3206;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 451 GATGATTGCAGGAGATT 468
Db 2000 GATGATTGCAGGAGATT 2017

RESULT 6
US-09-710-279-4133/c
; Sequence 4133, Application US/09710279
; Patent No. 6703492
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/09/710,279
; CURRENT FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4133
; LENGTH: 4249
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: nucleic acid sequence
US-09-710-279-4133

Query Match      3.8%; Score 18; DB 3; Length 4249;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 451 GATGATTGCAGGAGATT 468
Db 4145 GATGATTGCAGGAGATT 4128

RESULT 7
US-09-949-016-13503
; Sequence 13503, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.

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; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13503
; LENGTH: 34047
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(34047)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13503

Query Match          3.8%; Score 18; DB 3; Length 34047;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      329 AATGATGTTTCTCTCA 346
      |||||
Db      20376 AATGATGTTTCTCTCA 20393

RESULT 8
US-09-949-016-14768
; Sequence 14768, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14768
; LENGTH: 67581
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(67581)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14768

Query Match          3.8%; Score 18; DB 3; Length 67581;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      321 GAATTGGTAATGATGTTT 338
      |||||
Db      10604 GAATTGGTAATGATGTTT 10621

RESULT 9
US-09-949-016-14760
; Sequence 14760, Application US/09949016
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; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14760
; LENGTH: 67643
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(67643)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14760

Query Match          3.8%; Score 18; DB 3; Length 67643;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      321 GAATTGGTAATGATGTTT 338
      |||||
Db      10592 GAATTGGTAATGATGTTT 10609

RESULT 10
US-09-949-016-17595/c
; Sequence 17595, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17595
; LENGTH: 117838
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(117838)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17595

Query Match          3.8%; Score 18; DB 3; Length 117838;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      405 AGTTCTTCAACAGACAAA 422
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Db      18984 AGTTCTTCAACAGACAAA 18967
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us-10-764-316-5.011g.rn1

Mon Nov 6 11:55:54 2006

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; CURRENT APPLICATION NUMBER: US/09/497,855A
; CURRENT FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/120,592
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: 60/118,760
; PRIOR FILING DATE: 1999-02-05
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 44
; LENGTH: 193303
; TYPE: DNA
; ORGANISM: Homo sapiens;
US-09-497-855A-44

Query Match          3.8%; Score 18; DB 3; Length 193303;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 331 TGAAGTTTCTCTCAAC 348
Db 161051 TGAAGTTTCTCTCAAC 161068

RESULT 14
US-09-949-016-13877
; Sequence 13877, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CU001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16191
; LENGTH: 155617
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16191

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Query Match          3.8%; Score 18; DB 3; Length 155617;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 183 AGGAGTTTCTCTCAAC 200
Db 108176 AGGAGTTTCTCTCAAC 108159

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RESULT 12
US-09-497-855A-37
; Sequence 37, Application US/09497855A
; Patent No. 6605432
; GENERAL INFORMATION:
; APPLICANT: Huang, Tim
; TITLE OF INVENTION: HIGH-THROUGHPUT METHODS FOR DETECTING DNA METHYLATION
; FILE REFERENCE: UMO1523
; CURRENT APPLICATION NUMBER: US/09/497,855A
; CURRENT FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/120,592
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: 60/118,760
; PRIOR FILING DATE: 1999-02-05
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 37
; LENGTH: 193303
; TYPE: DNA
; ORGANISM: Homo sapiens;
US-09-497-855A-37

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Query Match          3.8%; Score 18; DB 3; Length 193303;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 331 TGAAGTTTCTCTCAAC 348
Db 161051 TGAAGTTTCTCTCAAC 161068

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RESULT 13
US-09-497-855A-44
; Sequence 44, Application US/09497855A
; Patent No. 6605432
; GENERAL INFORMATION:
; APPLICANT: Huang, Tim
; TITLE OF INVENTION: HIGH-THROUGHPUT METHODS FOR DETECTING DNA METHYLATION
; FILE REFERENCE: UMO1523

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; CURRENT APPLICATION NUMBER: US/09/497,855A
; CURRENT FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/120,592
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: 60/118,760
; PRIOR FILING DATE: 1999-02-05
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 44
; LENGTH: 193303
; TYPE: DNA
; ORGANISM: Homo sapiens;
US-09-497-855A-44

Query Match          3.8%; Score 18; DB 3; Length 193303;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 331 TGAAGTTTCTCTCAAC 348
Db 161051 TGAAGTTTCTCTCAAC 161068

RESULT 14
US-09-949-016-13877
; Sequence 13877, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CU001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13877
; LENGTH: 202111
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(202111)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13877

Query Match          3.8%; Score 18; DB 3; Length 202111;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 185 GAGTTTCTCTCAAC 202
Db 74832 GAGTTTCTCTCAAC 74849

RESULT 15
US-09-371-772B-11741
; Sequence 11741, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Favco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions R
; FILE REFERENCE: Levels of Vascular Endothelial Growth Factor Receptor

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; FILE REFERENCE: MBHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 11741
; LENGTH: 38
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Enzymatic Nucleic Acid
; NAME/KEY: misc feature
; LOCATION: (31)..(31)
; OTHER INFORMATION: n stands for inosine
US-09-371-772B-11741

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Query Match      3.6%; Score 17; DB 3; Length 38;
Best Local Similarity 88.2%; Pred. No. 73;
Matches 15; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

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Qy      253 CAGAAGAGCTGATGAGG 269
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Db       1 CAGAAGAGCUGAGGAGG 17

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- 3: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US09A_PUBCOMB.seq.*
- 4: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
- 5: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
- 6: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
- 7: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
- 8: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
- 9: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US10D_PUBCOMB.seq.*
- 10: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US10E_PUBCOMB.seq.*
- 11: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US10F_PUBCOMB.seq.*
- 12: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US10G_PUBCOMB.seq.*
- 13: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US11A_PUBCOMB.seq.*
- 14: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US11B_PUBCOMB.seq.*
- 15: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US11C_PUBCOMB.seq.*
- 16: /EMC_Celerra_SIDS3/ptodata/2/pubpna/US11D_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	300	64.1	412	9	US-10-425-821-10
2	20	4.3	83710	9	US-10-417-375-27
3	19	4.1	496	4	US-09-925-065A-426352
4	19	4.1	496	5	US-09-925-065A-426352
5	19	4.1	497	12	US-10-301-480-489880
6	19	4.1	497	12	US-10-301-480-1103289
7	19	4.1	506	12	US-10-301-480-59270
8	19	4.1	506	12	US-10-301-480-59271
9	19	4.1	506	12	US-10-301-480-59272
10	19	4.1	506	12	US-10-301-480-672679
11	19	4.1	506	12	US-10-301-480-672680
12	19	4.1	506	12	US-10-301-480-672681
13	19	4.1	520	6	US-10-027-632-208513
14	19	4.1	520	6	US-10-027-632-208514
15	19	4.1	520	6	US-10-027-632-208515
16	19	4.1	520	7	US-10-027-632-208513
17	19	4.1	520	7	US-10-027-632-208514

Sequence 208515,	19	4.1	520	7	US-10-027-632-208515
Sequence 489881,	19	4.1	615	12	US-10-301-480-489881
Sequence 1103290,	19	4.1	615	12	US-10-301-480-1103290
Sequence 23902, A	19	4.1	1458	16	US-11-096-568A-23902
Sequence 23906, A	19	4.1	1461	16	US-11-096-568A-23906
Sequence 379, App	19	4.1	32189	3	US-09-764-878-379
Sequence 379, App	19	4.1	32189	6	US-10-079-854-379
Sequence 377, App	19	4.1	32221	3	US-09-764-878-377
Sequence 377, App	19	4.1	32221	6	US-10-079-854-377
Sequence 450106,	18	3.8	25	8	US-10-719-956-450106
Sequence 226608,	18	3.8	25	9	US-10-719-900-226608
Sequence 324160,	18	3.8	25	16	US-11-136-527-324160
Sequence 3985, Ap	18	3.8	278	3	US-09-864-408A-3985
Sequence 53166, A	18	3.8	423	12	US-10-301-480-53166
Sequence 666575,	18	3.8	423	12	US-10-301-480-666575
Sequence 46151, A	18	3.8	465	9	US-10-357-930-46151
Sequence 199207,	18	3.8	474	6	US-10-027-632-199207
Sequence 199207,	18	3.8	474	7	US-10-027-632-199207
Sequence 174542,	18	3.8	481	6	US-10-027-632-174541
Sequence 174542,	18	3.8	481	6	US-10-027-632-174542
Sequence 298848,	18	3.8	481	6	US-10-027-632-298848
Sequence 298848,	18	3.8	481	6	US-10-027-632-298848
Sequence 174541,	18	3.8	481	7	US-10-027-632-174541
Sequence 174542,	18	3.8	481	7	US-10-027-632-174542
Sequence 298848,	18	3.8	481	7	US-10-027-632-298848
Sequence 298849,	18	3.8	481	7	US-10-027-632-298849
Sequence 220154,	18	3.8	503	4	US-09-925-065A-220154
Sequence 220154,	18	3.8	503	5	US-09-925-065A-220154

ALIGNMENTS

RESULT 1

US-10-425-821-10

; Sequence 10, Application US/10425821

; Publication No. US20040219530A1

; GENERAL INFORMATION:

; APPLICANT: BROUSSEAU, Roland

; APPLICANT: HAREL, Jos e

; APPLICANT: BEKAL, Sadjia

; TITLE OF INVENTION: ARRAY AND USBS THEREOF

; FILE REFERENCE: 86369-3

; CURRENT APPLICATION NUMBER: US/10/425,821

; CURRENT FILING DATE: 2003-04-30

; NUMBER OF SEQ ID NOS: 176

; SOFTWARE: Patentin version 3.2

; SEQ ID NO 10

; LENGTH: 412

; TYPE: DNA

; ORGANISM: Escherichia coli

US-10-425-821-10

Query Match 64.1%; Score 300; DB 9; Length 412;

Best Local Similarity 100.0%; Pred. No. 7.3e-156;

Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	169	CAATAGTCGCCACACAGGAGTCTTTATATATTTCTCACGTTGATGCATTGCTAACAG	228
Db	1	CAATAGTCGCCACACAGGAGTCTTTATATATTTCTCACGTTGATGCATTGCTAACAG	60
Qy	229	AGTAAATCTTGGATTGTTTCAACAGAGAGCTGATGAGTGATGTTATTTACCTCTCC	288
Db	61	AGTAAATCTTGGATTGTTTCAACAGAGAGCTGATGAGTGATGTTATTTACCTCTCC	120
Qy	289	AACTGTTGATCAAGCCGATCATCGGCAATTAAGATTGTTATTTCTTCAAC	348
Db	121	AACTGTTGATCAAGCCGATCATCGGCAATTAAGATTGTTATTTCTTCAAC	180
Qy	349	CCATGATTGGCAATCGGGCGTGGATTTCAGGACCAATGTAATAGTGTTCAGTT	408
Db	181	CCATGATTGGCAATCGGGCGTGGATTTCAGGACCAATGTAATAGTGTTCAGTT	240

us-10-764-316-5.olig.rnpbm

Mon Nov 6 11:55:54 2006

QY 409 CTTCAACAGACAAACGGATCCTATAAGACAGCGCGCTAACTGGATGATTCACGAGATTT 468
Db 241 CTTCAACAGACAAACGGATCCTATAAGACAGCGCGCTAACTGGATGATTCACGAGATTT 300

RESULT 2
US-10-417-375-27/c
; Sequence 27, Application US/10417375
; Publication No. US20040219528A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc Malandro
; TITLE OF INVENTION: Novel Therapeutic Targets in Cancer
; FILE REFERENCE: 529452001600
; CURRENT APPLICATION NUMBER: US/10/417,375
; CURRENT FILING DATE: 2003-04-15
; NUMBER OF SEQ ID NOS: 176
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 27
; LENGTH: 83710
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(83710)
; OTHER INFORMATION: n = A,T,C or G
US-10-417-375-27
Query Match 4.3%; Score 20; DB 9; Length 83710;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 118 ATTAGCACTCTCGGTATTC 137
Db 3171 ATTAGCACTCTCGGTATTC 3152

RESULT 3
US-09-925-065A-426352
; Sequence 426352, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 426352
; LENGTH: 496
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-426352
Query Match 4.1%; Score 19; DB 4; Length 496;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 326 GGTAATGATGTTTCTTCT 344
Db 158 GGTAATGATGTTTCTTCT 176

RESULT 4
US-09-925-065A-426352
; Sequence 426352, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 426352
; LENGTH: 496
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-426352
Query Match 4.1%; Score 19; DB 5; Length 496;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 326 GGTAATGATGTTTCTTCT 344
Db 158 GGTAATGATGTTTCTTCT 176

RESULT 5
US-10-301-480-489880
; Sequence 489880, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
; CURRENT FILING DATE: 2002-11-21
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: US 60/261,766
; NUMBER OF SEQ ID NOS: 1228818
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 489880
; LENGTH: 497
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-489880
Query Match 4.1%; Score 19; DB 12; Length 497;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 326 GGTAATGATGTTTCTTCT 344
Db 158 GGTAATGATGTTTCTTCT 176

RESULT 6

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US-10-301-480-1103289
; Sequence 1103289, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1103289
; LENGTH: 497
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-1103289

Query Match      4.1%; Score 19; DB 12; Length 497;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      326 GGTAATGATGTTTCTTCT 344
Db      158 GGTAATGATGTTTCTTCT 176

RESULT 7
US-10-301-480-59270/c
; Sequence 59270, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
; CURRENT FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 59270
; LENGTH: 506
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-59270

Query Match      4.1%; Score 19; DB 12; Length 506;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      62 CTGATGTTTCAGGAGCAG 80
Db      241 CTGATGTTTCAGGAGCAG 223

RESULT 8
US-10-301-480-59271/c
; Sequence 59271, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
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; CURRENT FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 59271
; LENGTH: 506
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-59271

Query Match      4.1%; Score 19; DB 12; Length 506;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      62 CTGATGTTTCAGGAGCAG 80
Db      241 CTGATGTTTCAGGAGCAG 223

RESULT 9
US-10-301-480-59272/c
; Sequence 59272, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
; CURRENT FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 59272
; LENGTH: 506
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-59272

Query Match      4.1%; Score 19; DB 12; Length 506;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      62 CTGATGTTTCAGGAGCAG 80
Db      241 CTGATGTTTCAGGAGCAG 223

RESULT 10
US-10-301-480-672679/c
; Sequence 672679, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
; CURRENT FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 672679
; LENGTH: 506
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Mon Nov 6 11:55:54 2006

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; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-672679

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Best Local Similarity 100.0%; Pred. No. 27;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      62 CTGATGGTTCAGGAGGCAG 80
Db      241 CTGATGGTTCAGGAGGCAG 223

RESULT 11
US-10-301-480-672680/c
; Sequence 672680, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 672680
; LENGTH: 506
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-672680

Query Match      4.1%; Score 19; DB 12; Length 506;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      62 CTGATGGTTCAGGAGGCAG 80
Db      241 CTGATGGTTCAGGAGGCAG 223

RESULT 12
US-10-301-480-672681/c
; Sequence 672681, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
; CURRENT FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 672681
; LENGTH: 506
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-672681

Query Match      4.1%; Score 19; DB 12; Length 506;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      62 CTGATGGTTCAGGAGGCAG 80
Db      241 CTGATGGTTCAGGAGGCAG 223

RESULT 13
US-10-027-632-208513/c
; Sequence 208513, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 208513
; LENGTH: 520
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-208513

Query Match      4.1%; Score 19; DB 6; Length 520;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      62 CTGATGGTTCAGGAGGCAG 80
Db      240 CTGATGGTTCAGGAGGCAG 222

RESULT 14
US-10-027-632-208514/c
; Sequence 208514, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
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; SEQ ID NO 208514
; LENGTH: 520
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-208514

Query Match 4.1%; Score 19; DB 6; Length 520;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 62 CTGATGGTTCAGGAGCAG 80
Db 240 CTGATGGTTCAGGAGCAG 222

RESULT 15

US-10-027-632-208515/c
; Sequence 208515, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 208515
; LENGTH: 520
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-208515

Query Match 4.1%; Score 19; DB 6; Length 520;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 62 CTGATGGTTCAGGAGCAG 80
Db 240 CTGATGGTTCAGGAGCAG 222

Search completed: November 3, 2006, 23:12:50
Job time : 636.59 secs

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GenCore version 5.1.9
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OM nucleic - nucleic search, using sw model

Run on: November 3, 2006, 20:16:55 ; Search time 273.593 Seconds
(without alignments)
11926.532 Million cell updates/sec

Title: US-10-764-316-5
Perfect score: 468
Sequence: 1 tgaataataatgaacacac.....tggatgattgcaggagattt 468

Scoring table: OLIGO NUC
Gapop_60.0 , Gapext 60.0

Searched: 5244920 seqs, 3486124231 residues

Word size : 1 10489196

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : N Geneseq_8:*

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- 5: Geneseqn2001bs:*
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- 12: Geneseqn2004as:*
- 13: Geneseqn2004bs:*
- 14: Geneseqn2005s:*
- 15: Geneseqn2006s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	300	64.1	412	13	Adt98253 E. coli c
2	44	9.4	822	4	Aaf85771 E coli cy
3	20	4.3	8102	13	Abd32667 Mouse can
4	19	4.1	32189	5	Aas30115 Human lun
5	19	4.1	32189	10	Adb33452 Human nov
6	19	4.1	32221	5	Aas30113 Human lun
7	19	4.1	32221	10	Adb33450 Human nov
8	18	3.8	278	6	Abn77046 Human ORF
9	18	3.8	309	10	AdL24711 Intestina
10	18	3.8	459	13	AcF85026 Human SIR
11	18	3.8	465	5	Abv46132 Human pro
12	18	3.8	565	3	Aac35341 Arabidops
13	18	3.8	565	15	Aef29701 Lead Cere
14	18	3.8	575	4	Aah12181 Human -CDN
15	18	3.8	675	3	Aaa70256 Plasmodiu
16	18	3.8	758	4	Aah04264 Human CDN
17	18	3.8	826	4	AbL14609 Drosophil
18	18	3.8	1017	9	Ada29310 DNA encod

ALIGNMENTS

RESULT 1
ADT98253
ID ADT98253 standard; DNA; 412 BP.

XX AC ADT98253;

XX DT 27-JAN-2005 (first entry)

XX DE E. coli cdt1 DNA.

XX ds; array; pathotype; microorganism detection; infection; probe;
KW virulence gene; enterotoxigenic E. coli; ETEC; enteropathogenic E. coli;
KW EPEC; enterohemorrhagic E. coli; EHEC; enteroaggregative E. coli; EAEC;
KW enteroinvasive E. coli; EIEC; uropathogenic strain; UPEC;
KW neonatal meningitis; MENEC; septicemia; SEPEC; cell-detaching E. coli;
KW CDEC; diffusely adherent E. coli; DAEC; toxin; adhesion factor;
KW flagellar antigen; invasins; autotransporter protein;
KW aerobactin system protein; food; water; air; soil; blood;
KW urine; amniotic fluid; feces; diagnosis; diarrhea; hemorrhagic colitis;
KW hemolytic uremic syndrome; invasive intestinal infection; dysentery;
KW urinary tract infection; neonatal meningitis; septicemia; cdt1.

XX Escherichia coli.

XX OS US2004219530-A1.

XX PN 04-NOV-2004.

XX PD 30-APR-2003; 2003US-00425821.

XX PR 30-APR-2003; 2003US-00425821.

XX PA (BROU/) BROUSSEAU R.

XX PA (HARE/) HAREL J.

XX PA (BEKA/) BEKAL S.

XX PI Brousseau R, Harel J, Bekal S;

XX DR WPI; 2004-774932/76.

XX

Aah33757 S. epider
Abn91154 Staphyloc
Ado2625 Staphyloc
Aak84295 Human imm
Aah16394 Human CDN
Aah15964 Human CDN
AbL14608 Drosophil
Adt07926 Full leng
Aah54988 S. epider
Aah55018 S. epider
Aah54769 S. epider
Adg97819 Human can
Aad28387 Human che
Aak65263 Human imm
Ad886599 Oligonucl
Ad889425 Oligonucl
Aak65264 Human imm
Aak65265 Human imm
Aba99226 Escherich
Aai99368 Human exc
Aai63718 Human kid
Abs79015 E. coli C
Adh80582 Escherich
Abd33325 Human can
Adg97818 Human can
Abd33104 Human can

19 18 3.8 1356 4 AAh53757
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21 18 3.8 1356 13 AD02625
22 18 3.8 1409 4 AAK84295
23 18 3.8 1410 4 AAK84294
24 18 3.8 1944 4 AAH16394
25 18 3.8 2868 4 AAH15964
26 18 3.8 2890 4 ABLL14608
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29 18 3.8 3206 4 AAh55018
30 18 3.8 4249 4 AAh54769
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32 18 3.8 7434 6 AAD28387
33 18 3.8 10324 4 AAK65263
34 18 3.8 12610 13 AD886599
35 18 3.8 12610 13 AD889425
36 18 3.8 14136 4 AAK65264
37 18 3.8 14387 4 AAK65265
38 18 3.8 27324 4 ABA89226
39 18 3.8 32249 4 AAI99368
40 18 3.8 32249 5 AAI63718
41 18 3.8 65011 6 ABS79015
42 18 3.8 68611 10 ADH80582
43 18 3.8 84675 13 ABD33325
44 18 3.8 109661 12 ADQ97818
45 18 3.8 130877 13 ABD33104

RESULT 3
ABD32667/c
ID ABD32667 standard; DNA; 83102 BP.
AC
XX ABD32667;
XX
DT 18-NOV-2004 (first entry)
XX
DE Mouse cancer-associated genomic DNA MD13-073.
XX
KW Mouse; ds; cancer-associated protein; gene; cytostatic; cancer;
KW leukaemia; lymphoma; CAP.
OS Mus musculus.
XX
XX WO2004074320-A2.
XX
XX 02-SEP-2004.
XX
XX 17-FEB-2004; 2004WO-US004730.
XX
XX 14-FEB-2003; 2003US-00367094.
XX
XX 15-MAR-2003; 2003US-00388838.
XX
XX 15-APR-2003; 2003US-00417375.
XX
XX 13-JUN-2003; 2003US-00461862.
XX
XX 15-SEP-2003; 2003US-00663431.
XX
XX 15-DEC-2003; 2003US-00737318.
XX
XX (SAGR-) SAGRES DISCOVERY INC.
XX
XX Morris DW, Morris DW, Malandro MS;
XX
XX WPI; 2004-652914/63.
XX
XX New isolated cancer-associated polynucleotides and polypeptides useful
PT for diagnosing, preventing or treating cancers, especially lymphoma and
PT leukemia, or in screening for agents that modulate cancer.
XX
XX disclosure; seqid 212; 310pp; English.
XX
XX The invention relates to an isolated nucleic acid comprising at least 10
CC contiguous nucleotides of any of the 233 polynucleotide sequences given
CC in the specification, or its complement. The nucleic acids encode cancer-
CC associated proteins. Also included are an expression vector comprising
CC the isolated nucleic acid cited above, a host cell comprising the above
CC recombinant nucleic acid or expression vector, a microarray for detecting
CC a cancer-associated (CA) nucleic acid comprising at least one probe
CC comprising at least 10 contiguous nucleotides of any of the above-
CC mentioned nucleotide sequences, an isolated polypeptide (encoded within
CC an open reading frame of a CA sequence selected from any of the 95
CC polynucleotide sequences as mentioned in the specification, or its
CC complement), an isolated antibody, (or its antigen binding fragment) that
CC binds to the above polypeptide, a hybridoma that produces the above
CC monoclonal antibody, a pharmaceutical composition comprising the above
CC antibody and a pharmaceutical excipient, a kit for detecting cancer
CC cells (comprising the antibody cited above, methods for diagnosing cancer
CC or for detecting the presence or absence of cancer cells in an
CC individual, a method for inhibiting growth of cancer cells in an
CC individual, a method for delivering a therapeutic agent to cancer cells
CC in an individual, an electronic library comprising the above
CC polynucleotide or polypeptide (or their fragments), methods of screening
CC for anticancer activity or for a bioactive agent capable of modulating
CC the activity of a CA protein (CAP), methods for detecting cancer
CC associated with expression of a polypeptide in a test cell sample, a
CC method for treating cancers and a method for inhibiting the expression of
CC CA gene in a cell. The composition and methods are useful for detecting,
CC diagnosing, preventing and treating cancers, especially lymphoma and
CC leukaemia. These may also be used in screening for agents that modulate
CC cancer. The present sequence is a mouse CAP genomic sequence. Note: The
CC sequence data for this patent did not form part of the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 83102 BP; 23417 A; 17147 C; 17240 G; 24360 T; 0 U; 938 Other;
Query Match 4.3%; Score 20; DB 13; Length 83102;
Best Local Similarity 100.0%; Pred. No. 7.7;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 118 ATTAGCACTCCTGGTATTC 137
|||||
DB 3009 ATTAGCACTCCTGGTATTC 2990
RESULT 4
AAS30115
ID AAS30115 standard; DNA; 32189 BP.
XX
AC AAS30115;
XX
XX 21-NOV-2001 (first entry)
XX
XX Human lung antigen genomic DNA #185.
XX
XX Lung antigen protein; human; mouse; rabbit; goat; horse; cat; dog;
KW chicken; sheep; immunosuppressive; antiarthritic; vasotropic;
KW antineumatic; antiproliferative; cytostatic; cardiant; neuroprotective;
KW cerebroprotective; nootropic; antibacterial; virucide; fungicide; cancer;
KW ophthalmological; vulnery; gene therapy; autoimmune disease; neoplasm;
KW hyperproliferative disorder; breast; liver; cardiovascular disorder; ds;
KW cerebrovascular disorder; nervous system disorder; bacterial infection;
KW fungal infection; viral infection; ocular disorder; endocrine disorder;
KW gastrointestinal disorder; renal disorder; respiratory disorder;
KW wound healing; skin aging; organ transplantation; food preservative;
KW tissue regeneration; anti-infertility; food additive.
XX
OS Homo sapiens.
XX
XX WO200155303-A2.
XX
XX 02-AUG-2001.
XX
XX 17-JAN-2001; 2001WO-US001301.
XX
XX 31-JAN-2000; 2000US-0179065P.
XX
XX 04-FEB-2000; 2000US-0180628P.
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XX 24-FEB-2000; 2000US-0184664P.
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XX 02-MAR-2000; 2000US-0186350P.
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XX 16-MAR-2000; 2000US-0189874P.
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XX 17-MAR-2000; 2000US-0190076P.
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XX 18-APR-2000; 2000US-0198123P.
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XX 19-MAY-2000; 2000US-0205515P.
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XX 07-JUN-2000; 2000US-0209467P.
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XX 28-JUN-2000; 2000US-0214886P.
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XX 30-JUN-2000; 2000US-0215135P.
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XX 07-JUL-2000; 2000US-0216447P.
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XX 14-AUG-2000; 2000US-0225758P.
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XX 18-AUG-2000; 2000US-0225759P.
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XX 22-AUG-2000; 2000US-0226279P.
XX
XX 22-AUG-2000; 2000US-0226681P.

us-10-764-316-5.olg.rng

Mon Nov 6 11:55:53 2006

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PR 22-AUG-2000; 2000US-0226868P.
PR 22-AUG-2000; 2000US-0227182P.
PR 23-AUG-2000; 2000US-0227009P.
PR 30-AUG-2000; 2000US-0228924P.
PR 01-SEP-2000; 2000US-0229287P.
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PR 02-OCT-2000; 2000US-0236802P.
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PR 20-OCT-2000; 2000US-0240960P.
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PR 08-NOV-2000; 2000US-0246474P.
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PR 17-NOV-2000; 2000US-0249264P.
PR 17-NOV-2000; 2000US-0249265P.
PR 17-NOV-2000; 2000US-0249297P.
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PR 17-NOV-2000; 2000US-0249300P.
PR 01-DEC-2000; 2000US-0250160P.
PR 01-DEC-2000; 2000US-0250391P.
PR 05-DEC-2000; 2000US-0251030P.
PR 05-DEC-2000; 2000US-0251988P.
PR 05-DEC-2000; 2000US-0256719P.
PR 06-DEC-2000; 2000US-0251479P.
PR 06-DEC-2000; 2000US-0251856P.
PR 08-DEC-2000; 2000US-0251868P.
PR 08-DEC-2000; 2000US-0251869P.
PR 08-DEC-2000; 2000US-0251989P.
PR 08-DEC-2000; 2000US-0251990P.
PR 11-DEC-2000; 2000US-0254097P.
PR 05-JAN-2001; 2001US-0259678P.
XX
XX (HUMA-) HUMAN GENOME SCI INC.
XX
XX Rosen CA, Barash SC, Ruben SM;
XX WPI; 2001-457723/49.
XX
XX Isolated polypeptide for treating, preventing and/ or prognosing
XX respiratory disorders related to the lung including lung cancers and also
XX for testing and detection e.g. diagnosis.
XX
XX Claim 1; SEQ ID NO 379; 507pp; English.
XX
XX Sequences AAS29931-AAS30164 represent genomic DNA molecules, which encode
XX the lung antigen polypeptides of the invention. lung antigen polypeptides
XX and their associated polynucleotides are useful in the diagnosis,
XX treatment and prevention of various types of disorders in e.g. humans,
XX mice, rabbits, goats, horses, cats, dogs, chickens or sheep. A
XX pathological condition can be determined by detecting the presence or
XX absence of a mutation in a lung antigen polynucleotide. The treatable
XX disorders include autoimmune diseases such as rheumatoid arthritis,
XX hyperproliferative disorders such as cardiac arrest, cerebrovascular
XX disorders such as cerebral ischaemia, nervous system disorders such as
XX Alzheimer's disease, infections caused by bacteria, viruses and fungi,
XX ocular disorders such as corneal infection, endocrine disorders such as
XX premature labour and infertility, gastrointestinal disorders such as
XX Crohn's disease, renal disorders such as glomerulonephritis and
XX respiratory disorders such as asthma and pleurisy. The polypeptides can
XX also be used to aid wound healing, to prevent skin aging due to sunburn,
XX to maintain organs before transplantation, to regenerate tissues and in
XX chemotaxis. The polypeptides can also be used as a food additive or
XX preservative to increase or decrease storage capabilities. Note: The
XX sequence data for this patent did not form part of the printed
XX specification, but was obtained in electronic format directly from WIPO
XX at ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 4.1%; Score 19; DB 5; Length 32189;
XX Best Local Similarity 100.0%; Pred. No. 26;
XX Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 62 CTGATGGTTCAGGAGCAG 80
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PR	17-NOV-2000;	2000US-0249211P.	XX	AAS30113;
PR	17-NOV-2000;	2000US-0249212P.	AC	
PR	17-NOV-2000;	2000US-0249213P.	XX	21-NOV-2001 (first entry)
PR	17-NOV-2000;	2000US-0249214P.	DT	
PR	17-NOV-2000;	2000US-0249215P.	XX	Human lung antigen genomic DNA #183.
PR	17-NOV-2000;	2000US-0249216P.	DE	
PR	17-NOV-2000;	2000US-0249217P.	XX	Lung antigen protein; human; mouse; rabbit; goat; horse; cat; dog;
PR	17-NOV-2000;	2000US-0249218P.	KW	chicken; sheep; immunosuppressive; antiarthritic; vasotropic;
PR	17-NOV-2000;	2000US-0249244P.	KW	antirheumatic; antiproliferative; cytostatic; cardiant; neuroprotective;
PR	17-NOV-2000;	2000US-0249245P.	KW	cerebroprotective; neotropic; antibacterial; virucide; fungicide; cancer;
PR	17-NOV-2000;	2000US-0249264P.	KW	ophthalmological; vulnery; gene therapy; autoimmune disease; neoplasm;
PR	17-NOV-2000;	2000US-0249265P.	KW	hyperproliferative disorder; breast; liver; cardiovascular disorder; ds;
PR	17-NOV-2000;	2000US-0249297P.	KW	hyperproliferative disorder; nervous system disorder; bacterial infection;
PR	17-NOV-2000;	2000US-0249299P.	KW	cerebrovascular disorder; viral infection; ocular disorder; endocrine disorder;
PR	17-NOV-2000;	2000US-0249300P.	KW	fungal infection; renal disorder; respiratory disorder;
PR	17-NOV-2000;	2000US-0249300P.	KW	gastrointestinal disorder; wound healing; skin aging; organ transplantation; food preservative;
PR	01-DEC-2000;	2000US-0250160P.	KW	tissue regeneration; anti-infertility; food additive.
PR	01-DEC-2000;	2000US-0250391P.	XX	Homo sapiens.
PR	05-DEC-2000;	2000US-0251030P.	OS	
PR	05-DEC-2000;	2000US-0251988P.	XX	WO200155303-A2.
PR	05-DEC-2000;	2000US-0256719P.	XX	
PR	06-DEC-2000;	2000US-025179P.	XX	02-AUG-2001.
PR	08-DEC-2000;	2000US-0251856P.	PD	
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PR	11-DEC-2000;	2000US-0254097P.	XX	
PR	05-JAN-2001;	2001US-0259678P.	XX	
PR	17-JAN-2001;	2001US-00764878.	XX	
PA	(HUMA-) HUMAN GENOME SCI INC.			
XX	Rosen CA, Ruben SM, Barash SC;			
PI	WPI; 2003-695900/66.			
XX	Novel isolated lung antigen polypeptides useful for treating, preventing,			
PT	diagnosing acute myelogenous leukemias, adenocarcinoma, thrombocytopenia,			
PT	Von Willebrand's disease.			
XX	Disclosure; SEQ ID NO 379; 178pp; English.			
PS	The invention relates to an isolated lung antigen polypeptide sequence or			
XX	encoded sequence in a cDNA clone. The polypeptide and its polynucleotide			
CC	are useful for treating, preventing, diagnosing and/or prognosing			
CC	diseases and/or disorders such as pathological cell proliferative			
CC	neoplasias e.g. acute myelogenous leukaemia, adenocarcinoma; respiratory			
CC	disorders such as chronic rhinitis, sinusitis; immunodeficiencies such as			
CC	X-linked agammaglobulinaemia, X-linked infantile agammaglobulinaemia;			
CC	inflammatory disorders such as adrenalitis, alveolitis; immune complex			
CC	diseases such as serum sickness, polyarteritis nodosa; bleeding disorders			
CC	such as thrombocytopenia, Von Willebrand's disease; acquired platelet			
CC	dysfunction with macrophage numbers and/or macrophage function such as			
CC	Gaucher's disease, Niemann-Pick disease; tumours such as colon cancer,			
CC	pancreatic cancer, renal disorders such as kidney failure, nephritis;			
CC	bone disorders such as Albers-Schonberg disease, bowlegs; muscle			
CC	disorders such as Becker's muscular dystrophy, Duchenne's muscular			
CC	dystrophy; nervous disorders such as ischaemic lesions, traumatic lesions			
CC	; endocrine disorders such as Cushing's syndrome, corticosteroid			
Query Match	4.1%; Score 19; DB 10; Length 32189;			
Best Local Similarity	100.0%; Pred. No. 26;			
Matches	19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
Qy	62 CTGATGCTTCAGGAGGCAG 80			
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RESULT 6				
AAS30113				
ID	AAS30113 standard; DNA; 32221 BP.			


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PR 08-SEP-2000; 2000US-0231244P.
PR 08-SEP-2000; 2000US-0231413P.
PR 08-SEP-2000; 2000US-0231414P.
PR 08-SEP-2000; 2000US-0232080P.
PR 08-SEP-2000; 2000US-0232081P.
PR 12-SEP-2000; 2000US-0231968P.
PR 14-SEP-2000; 2000US-0232397P.
PR 14-SEP-2000; 2000US-0232398P.
PR 14-SEP-2000; 2000US-0232399P.
PR 14-SEP-2000; 2000US-0232400P.
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PR 29-SEP-2000; 2000US-0236368P.
PR 29-SEP-2000; 2000US-0236369P.
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PR 20-OCT-2000; 2000US-0241786P.
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PR 20-OCT-2000; 2000US-0241809P.
PR 20-OCT-2000; 2000US-0241826P.
PR 01-NOV-2000; 2000US-0244617P.
PR 08-NOV-2000; 2000US-0246474P.
PR 08-NOV-2000; 2000US-0246475P.
PR 08-NOV-2000; 2000US-0246476P.
PR 08-NOV-2000; 2000US-0246477P.
PR 08-NOV-2000; 2000US-0246478P.
PR 08-NOV-2000; 2000US-0246523P.
PR 08-NOV-2000; 2000US-0246524P.
PR 08-NOV-2000; 2000US-0246525P.
PR 08-NOV-2000; 2000US-0246526P.
PR 08-NOV-2000; 2000US-0246527P.
PR 08-NOV-2000; 2000US-0246528P.
PR 08-NOV-2000; 2000US-0246532P.
PR 08-NOV-2000; 2000US-0246609P.
PR 08-NOV-2000; 2000US-0246610P.
PR 08-NOV-2000; 2000US-0246611P.
PR 08-NOV-2000; 2000US-0246613P.
PR 17-NOV-2000; 2000US-0249207P.
PR 17-NOV-2000; 2000US-0249208P.
PR 17-NOV-2000; 2000US-0249209P.
PR 17-NOV-2000; 2000US-0249210P.
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PR 17-NOV-2000; 2000US-0249212P.
PR 17-NOV-2000; 2000US-0249213P.
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PR 17-NOV-2000; 2000US-0249216P.
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PR 17-NOV-2000; 2000US-0249218P.
PR 17-NOV-2000; 2000US-0249244P.
PR 17-NOV-2000; 2000US-0249245P.
PR 17-NOV-2000; 2000US-0249264P.

PR 17-NOV-2000; 2000US-0249265P.
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PR 17-NOV-2000; 2000US-0249300P.
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PR 01-DEC-2000; 2000US-0250391P.
PR 05-DEC-2000; 2000US-0251030P.
PR 05-DEC-2000; 2000US-0251988P.
PR 06-DEC-2000; 2000US-0256719P.
PR 06-DEC-2000; 2000US-0251479P.
PR 08-DEC-2000; 2000US-0251856P.
PR 08-DEC-2000; 2000US-0251868P.
PR 08-DEC-2000; 2000US-0251869P.
PR 08-DEC-2000; 2000US-0251989P.
PR 11-DEC-2000; 2000US-0251990P.
PR 05-JAN-2001; 2000US-0254097P.
PR 05-JAN-2001; 2000US-0259678P.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
PI Rosen CA, Barash SC, Ruben SM;
XX
XX WPI; 2001-457723/49.
DR
XX
XX Isolated polypeptide for treating, preventing and/ or prognosing
PT respiratory disorders related to the lung including lung cancers and also
PT for testing and detection e.g. diagnosis.
XX
XX Claim 1; SEQ ID NO 377; 507pp; English.
XX
CC Sequences AAS29931-AAS30164 represent genomic DNA molecules, which encode
CC the lung antigen polypeptides of the invention. Lung antigen polypeptides
CC and their associated polynucleotides are useful in the diagnosis,
CC treatment and prevention of various types of disorders in e.g. humans,
CC mice, rabbits, goats, horses, cats, dogs, chickens or sheep. A
CC pathological condition can be determined by detecting the presence or
CC absence of a mutation in a lung antigen polynucleotide. The treatable
CC disorders include autoimmune diseases such as rheumatoid arthritis,
CC hyperproliferative disorders such as neoplasms of the breast or liver,
CC cardiovascular disorders such as cardiac arrest, cerebrovascular
CC disorders such as cerebral ischaemia, nervous system disorders such as
CC Alzheimer's disease, infections caused by bacteria, viruses and fungi,
CC ocular disorders such as corneal infection, endocrine disorders such as
CC premature labour and infertility, gastrointestinal disorders such as
CC Crohn's disease, renal disorders such as glomerulonephritis and
CC respiratory disorders such as asthma and pleurisy. The polypeptides can
CC also be used to aid wound healing, to prevent skin aging due to sunburn,
CC to maintain organs before transplantation, to regenerate tissues and in
CC chemotaxis. The polypeptides can also be used as a food additive or
CC preservative to increase or decrease storage capabilities. Note: The
CC sequence data for this patent did not form part of the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences

Query Match 4.1%; Score 19; DB 5; Length 32221;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 62 CTGATGGTTTCAGGAGGCAG 80
DB 23989 CTGATGGTTTCAGGAGGCAG 24007

RESULT 7
ADB33450
ID ADB33450 standard; DNA; 32221 BP.
XX
AC ADB33450;
XX
DT 04-DEC-2003 (first entry)
XX
DE Human novel lung related polypeptide DNA SEQ ID NO 377.
XX
```

Mon Nov 6 11:55:53 2006

us-10-764-316-5.olg.rng

KW gene therapy; lung antigen; neoplasia; acute myelogenous leukaemia;
KW adenocarcinoma; respiratory disorder; chronic rhinitis; sinusitis;
KW immunodeficiency; x-linked agammaglobulinaemia;
KW x-linked infantile agammaglobulinaemia; inflammatory disorder;
KW adrenalitis; alveolitis; immune complex disease; serum sickness;
KW polyarteritis nodosa; bleeding disorder; thrombocytopenia;
KW Von Willebrand's disease; acquired platelet dysfunction; kidney failure;
KW multiple myeloma; macrophage related disorder; Gaucher's disease;
KW Neimann-Pick disease; tumour; colon cancer; pancreatic cancer;
KW renal disorder; nephritis; bone disorder; Albers-Schonberg disease;
KW bowleg; muscle disorder; Becker's muscular dystrophy;
KW Duchenne's muscular dystrophy; nervous disorder; ischaemic lesion;
KW traumatic lesion; endocrine disorder; Cushing's syndrome;
KW corticosteroid deficiency; gastrointestinal disorder; dysphagia;
KW gastric reflux; human; ds.
XX
XX Homo sapiens.
XX
XX US2003054368-A1.
XX
XX 20-MAR-2003.
XX
XX 22-FEB-2002; 2002US-00079854.
XX
XX 31-JAN-2000; 2000US-0179065P.
PR 04-FEB-2000; 2000US-0180628P.
PR 24-FEB-2000; 2000US-0184664P.
PR 02-MAR-2000; 2000US-0186350P.
PR 16-MAR-2000; 2000US-0189874P.
PR 17-MAR-2000; 2000US-0190076P.
PR 18-APR-2000; 2000US-0198113P.
PR 19-MAY-2000; 2000US-0205155P.
PR 07-JUN-2000; 2000US-0209467P.
PR 28-JUN-2000; 2000US-0214886P.
PR 30-JUN-2000; 2000US-0215135P.
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PR 26-JUL-2000; 2000US-0220964P.
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PR 14-AUG-2000; 2000US-0225447P.
PR 14-AUG-2000; 2000US-0225757P.
PR 14-AUG-2000; 2000US-0225758P.
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PR 18-AUG-2000; 2000US-0226279P.
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PR 05-SEP-2000; 2000US-0229509P.
PR 05-SEP-2000; 2000US-0229513P.
PR 06-SEP-2000; 2000US-0230437P.
PR 06-SEP-2000; 2000US-0230438P.
PR 08-SEP-2000; 2000US-0231242P.
PR 08-SEP-2000; 2000US-0231243P.
PR 08-SEP-2000; 2000US-0231244P.
PR 08-SEP-2000; 2000US-0231413P.
PR 08-SEP-2000; 2000US-0231414P.
PR

PR 08-SEP-2000; 2000US-0232080P.
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PR 14-SEP-2000; 2000US-0232399P.
PR 14-SEP-2000; 2000US-0232400P.
PR 14-SEP-2000; 2000US-0232401P.
PR 14-SEP-2000; 2000US-0233063P.
PR 14-SEP-2000; 2000US-0233064P.
PR 14-SEP-2000; 2000US-0233065P.
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PR 21-SEP-2000; 2000US-0234274P.
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PR 25-SEP-2000; 2000US-0234998P.
PR 26-SEP-2000; 2000US-0235484P.
PR 27-SEP-2000; 2000US-0235834P.
PR 29-SEP-2000; 2000US-0236327P.
PR 29-SEP-2000; 2000US-0236367P.
PR 29-SEP-2000; 2000US-0236368P.
PR 29-SEP-2000; 2000US-0236369P.
PR 29-SEP-2000; 2000US-0236370P.
PR 02-OCT-2000; 2000US-0236802P.
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PR 02-OCT-2000; 2000US-0237038P.
PR 02-OCT-2000; 2000US-0237039P.
PR 02-OCT-2000; 2000US-0237040P.
PR 13-OCT-2000; 2000US-0239933P.
PR 13-OCT-2000; 2000US-0239937P.
PR 20-OCT-2000; 2000US-0240960P.
PR 20-OCT-2000; 2000US-0241221P.
PR 20-OCT-2000; 2000US-0241785P.
PR 20-OCT-2000; 2000US-0241786P.
PR 20-OCT-2000; 2000US-0241787P.
PR 20-OCT-2000; 2000US-0241808P.
PR 20-OCT-2000; 2000US-0241809P.
PR 20-OCT-2000; 2000US-0241826P.
PR 01-NOV-2000; 2000US-0244617P.
PR 08-NOV-2000; 2000US-0246474P.
PR 08-NOV-2000; 2000US-0246475P.
PR 08-NOV-2000; 2000US-0246476P.
PR 08-NOV-2000; 2000US-0246477P.
PR 08-NOV-2000; 2000US-0246478P.
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PR 08-NOV-2000; 2000US-0246524P.
PR 08-NOV-2000; 2000US-0246525P.
PR 08-NOV-2000; 2000US-0246526P.
PR 08-NOV-2000; 2000US-0246527P.
PR 08-NOV-2000; 2000US-0246528P.
PR 08-NOV-2000; 2000US-0246532P.
PR 08-NOV-2000; 2000US-0246609P.
PR 08-NOV-2000; 2000US-0246610P.
PR 08-NOV-2000; 2000US-0246611P.
PR 08-NOV-2000; 2000US-0246613P.
PR 17-NOV-2000; 2000US-0249207P.
PR 17-NOV-2000; 2000US-0249208P.
PR 17-NOV-2000; 2000US-0249209P.
PR 17-NOV-2000; 2000US-0249210P.
PR 17-NOV-2000; 2000US-0249211P.
PR 17-NOV-2000; 2000US-0249212P.
PR 17-NOV-2000; 2000US-0249213P.
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PR 17-NOV-2000; 2000US-0249215P.
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PR 17-NOV-2000; 2000US-0249246P.
PR 17-NOV-2000; 2000US-0249256P.
PR 17-NOV-2000; 2000US-0249297P.
PR 17-NOV-2000; 2000US-0249299P.
PR

PR 17-NOV-2000; 2000US-0249300P.
PR 01-DEC-2000; 2000US-0250160P.
PR 01-DEC-2000; 2000US-0250391P.
PR 05-DEC-2000; 2000US-0251030P.
PR 05-DEC-2000; 2000US-0251388P.
PR 05-DEC-2000; 2000US-0256719P.
PR 06-DEC-2000; 2000US-0251479P.
PR 08-DEC-2000; 2000US-0251856P.
PR 08-DEC-2000; 2000US-0251868P.
PR 08-DEC-2000; 2000US-0251989P.
PR 08-DEC-2000; 2000US-0251990P.
PR 11-DEC-2000; 2000US-0254097P.
PR 05-JAN-2001; 2001US-0259678P.
PR 17-JAN-2001; 2001US-00764878.
XX (HUMA-) HUMAN GENOME SCI INC.
XX Rosen CA, Ruben SM, Barash SC;
XX WPI; 2003-695900/66.
XX Novel isolated lung antigen polypeptides useful for treating, preventing,
PT diagnosing acute myelogenous leukemias, adenocarcinoma, thrombocytopenia,
PT Von Willebrand's disease.
XX Disclosure; SEQ ID NO 377; 178pp; English.
XX The invention relates to an isolated lung antigen polypeptide sequence or
CC encoded sequence in a cDNA clone. The polypeptide and its polynucleotide
CC are useful for treating, preventing, diagnosing and/or prognosing
CC diseases and/or disorders such as pathological cell proliferative
CC neoplasias e.g. acute myelogenous leukemias, adenocarcinoma; respiratory
CC disorders such as chronic rhinitis, sinusitis; immunodeficiencies such as
CC X-linked agammaglobulinemia, X-linked infantile agammaglobulinemia;
CC inflammatory disorders such as adrenalitis, alveolitis; immune complex
CC diseases such as serum sickness, polyarteritis nodosa; bleeding disorders
CC such as thrombocytopenia, Von Willebrand's disease; acquired platelet
CC dysfunction such as kidney failure, multiple myeloma; disorders
CC associated with macrophage numbers and/or macrophage function such as
CC Gaucher's disease, Neimann-Pick disease; tumours such as colon cancer,
CC pancreatic cancer; renal disorders such as kidney failure, nephritis;
CC bone disorders such as Albers-Schonberg disease, bowlegs; muscle
CC disorders such as Becker's muscular dystrophy, Duchenne's muscular
CC dystrophy; nervous disorders such as ischaemic lesions, traumatic lesions
CC ; endocrine disorders such as Cushing's syndrome, corticosteroid

Query Match 4.1%; Score 19; DB 10; Length 32221;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 62 CTGATGTTTCAGGAGCAG 80
Db 23989 CTGATGTTTCAGGAGCAG 24007

RESULT 8
ABN77046/C
ID ABN77046 standard; cDNA; 278 BP.
XX AC ABN77046;
XX 08-JUL-2002 (first entry)
XX Human ORF1993 cDNA, SEQ ID NO:3985.
XX Human; ORF; open reading frame; ORFX; drug screening; diagnosis;
KW disease monitoring; cytokine; cell proliferation; cell differentiation;
KW immune modulation; haematopoiesis regulation; tissue growth;
KW angiogenesis; activin; inhibin; chemotactic; chemokinetic; haemostatic;
KW thrombolytic; tumour inhibition; bodily characteristics; fertility;
KW behaviour; cancer; proliferative disorder; neurological disorder;
KW cardiovascular disease; immune system disorder; organ transplantation;

KW tissue growth disorder; tissue regeneration disorder; diabetes mellitus;
KW hypothyroidism; cholesterol ester storage disease; infection; vulnery;
KW vasotropic; antipsoriatic; antidiabetic; cyostatic; neutropic;
KW neuroprotective; antiatherosclerotic; anticoagulant; thrombolytic;
KW cardiant; hypotensive; antithyroid; antiinflammatory; immunomodulator;
KW dermatological; analgesic; virucide; antibacterial; fungicide; gene; ss.
XX Homo sapiens.
XX WO200190366-A2.
XX 29-NOV-2001.
XX 24-MAY-2001; 2001WO-US017076.
XX 24-MAY-2000; 2000US-0206690P.
XX (CURA-) CURAGEN CORP.
XX Leach MD, Shinkets RA;
XX WPI; 2002-106200/14.
XX P-PSDB; ABP33020.
XX Novel human polypeptides and polynucleotides useful for diagnosing,
PT preventing and treating cardiovascular disease, neurodegenerative,
PT hyperproliferative disorders and disorders related to organ
PT transplantation.
XX Claim 1; Page 1253; 2508pp; English.
XX Sequences ABP31028-ABP3561 represent 4534 novel human proteins
CC designated ORF (open reading frame) 1-4534, and sequences ABN75054-
CC ABN7587 represent cDNAs encoding them. The invention also encompasses
CC polypeptides at least 80% identical to the ORF-ORF4534 (collectively
CC referred to as ORFX) proteins, polynucleotides at least 85% identical to
CC the ORFX nucleic acid sequences, vectors and host cells comprising ORFX
CC polynucleotides, the recombinant production of ORFX proteins, antibodies
CC specific for ORFX proteins, methods of detecting ORFX polynucleotides and
CC polypeptides, methods of screening for modulators of ORFX expression or
CC activity, and methods of screening individuals for a predisposition to an
CC ORFX-associated disorder. The ORFX proteins of the invention have a wide
CC range of biological activities, such as cytokine, cell proliferation,
CC cell differentiation, immune modulation, haematopoiesis regulation,
CC tissue growth, angiogenesis, activin or inhibin activity, chemotactic/
CC chemokinetic activity, haemostatic activity, thrombolytic activity,
CC receptor/ligand, antiinflammatory activity, tumour inhibition activity,
CC and antiinfective activity, and may also be involved in the determination
CC of bodily characteristics, fertility and behaviour. ORFX proteins,
CC nucleic acids and antibodies may be used in the treatment of cancers,
CC other proliferative disorders such as psoriasis and benign tumours,
CC neurological disorders such as epilepsy and Alzheimer's disease,
CC cardiovascular diseases, immune system disorders, disorders related to
CC organ transplantation, disorders of tissue growth and regeneration,
CC diseases such as diabetes mellitus, hypothyroidism, and cholesterol ester
CC storage disease, and infectious diseases caused by viral, bacterial,
CC fungal and other pathogens. ORFX nucleic acids may also be used as a
CC source of primers and probes, in the detection of ORFX genomic sequences
CC or transcripts, in the identification and cloning of homologous
CC sequences, in genetic diagnosis, and in forensic biology. The ORFX
CC nucleic acids may additionally be used to produce transgenic animals
CC which may be useful for studying the function and/or activity of ORFX
CC protein, and in drug screening. The ORFX proteins may also be used as
CC immunogens to generate specific antibodies, which are useful in the
CC diagnosis, treatment and monitoring of ORFX-associated diseases
XX SQ Sequence 278 BP; 73 A; 74 C; 79 G; 52 T; 0 U; 0 Other;
Query Match 3.8%; Score 18; DB 6; Length 278;
Best Local Similarity 100.0%; Pred. No. 95;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 83 GCAGTACCAGCTCTGCA 100

Db		126 GCAGTACCAGCTTCTGCA 109	XX	02-JUN-2005 (first entry)	Human SIRS/sepsis diagnostic marker DNA fragment 3886.	
RESULT 9			DT			
ADL24711			XX			
ID	ADL24711	standard; DNA; 309 BP.	DE		Systemic inflammatory response syndrome; SIRS; antibacterial; immunosuppressive; antiinflammatory; diagnosis; sepsis; ds.	
XX	AC		XX			
XX	ADL24711;		XX		Homo sapiens.	
XX			XX		WO2004087949-A2.	
XX	20-MAY-2004 (first entry)		PN			
XX			XX		14-OCT-2004.	
DE	Intestinal epithelium/peyer's patch M cell-associated DNA sequence #72.		PD			
XX	Intestinal epithelium cell development; peyer's patch M cell development;		XX		31-MAR-2004; 2004WO-EP003419.	
KW	inflammatory bowel disease; glutenenteropathy; infectious disease;		PF			
KW	autoimmune disease; haemolytic anaemia; rheumatoid arthritis; dermatitis;		XX		02-APR-2003; 2003DE-01015031.	
KW	Grave's disease; multiple sclerosis; allergy; asthma; diabetic mellitus;		PR		08-AUG-2003; 2003DE-01036511.	
KW	immune system disorder; hypersensitivity; anaphylaxis;		PR		02-SEP-2003; 2003DE-01040395.	
KW	blood group incompatibility; ds; mouse; murine.		XX		(SIRS-) SIRS LAB GMBH.	
XX			PA			
OS	Mus musculus.		XX			
XX			XX		Russwurm S, Reinhart K, Saluz H, Straube E, Zipfel PF, Deigner H;	
XX	WO200280852-A2.		PI			
XX			XX		WPI; 2004-748070/73.	
XX	17-OCT-2002.		DR			
XX			XX		In vitro detection of systemic inflammatory response syndrome and related conditions, for e.g. monitoring progression, comprises detecting abnormal expression of disease-related genes.	
XX	04-APR-2002; 2002WO-US010873.		PT			
XX			PT			
XX	04-APR-2001; 2001US-0281416P.		FT			
XX			XX		Disclosure; Page; 75pp; German.	
XX	(DIGI-) DIGITAL GENE TECHNOLOGIES INC.		PS			
XX	Brayden DJ, Byrne D, O'mahony DJ, Evans CF, Mah SP, Lo DD;		XX		The invention relates to a novel method for in vitro detection of systemic inflammatory response syndrome (SIRS). The method comprises detecting abnormal expression of disease-related genes, or their associated peptides. The method of the invention demonstrates antibacterial, immunosuppressive and antiinflammatory applications and may be used for early differential diagnosis, monitoring progression, assessing risk, assessing the likely response to treatment and for post mortem diagnosis of systemic inflammatory response syndrome, sepsis and sepsis-like conditions. The recombinant or synthetic nucleic acid sequences of the invention, or derived proteins or peptides, may be useful as calibrants in assays for the specified diseases, for evaluating activity or toxicity in screening for active agents and/or for preparation of agents for treatment or prevention of the specified diseases. The current sequence is that of a human SIRS/sepsis diagnostic marker DNA fragment of the invention. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published pct_sequences. Furthermore, a number of arbitrary SEQ ID NO.s are disclosed within the specification, however, these have not been taken into account during indexing due to inconsistencies in application and format	
XX	Sequence 309 BP; 98 A; 62 C; 69 G; 80 T; 0 U; 0 Other;		XX		Sequence 459 BP; 145 A; 82 C; 87 G; 145 T; 0 U; 0 Other;	
XX	Query Match	3.8%; Score 18; DB 10; Length 309;	XX		Query Match	3.8%; Score 18; DB 13; Length 459;
XX	Best Local Similarity	100.0%; Pred. No. 95;	XX		Best Local Similarity	100.0%; Pred. No. 94;
XX	Matches	18; Conservative	XX		Matches	18; Conservative
XX		0; Mismatches	XX			0; Mismatches
XX		0; Indels	XX			0; Indels
XX		0; Gaps	XX			0; Gaps
XX		0;	XX			0;
Qy	69 TTCAGGAGCGAGGGCAG 86		Qy	327 GTAATGATGTTTCTTCT 344		
Db	43 TTCAGGAGCGAGGGCAG 60		Db	244 GTAATGATGTTTCTTCT 261		
RESULT 10						
ACF85026						
ID	ACF85026	standard; DNA; 459 BP.				
XX						
XX	ACF85026;					
AC						

DE Human prostate expression marker cDNA 46123.
XX
KW Human; prostate cancer; cytostatic; carcinogen; pharmacodynamic marker;
KW pharmacogenomic marker; gene; ss.
XX
OS Homo sapiens.
XX
PN W0200160860-A2.
XX
XX 23-AUG-2001.
XX
XX 20-FEB-2001; 2001WO-US005171.
XX
XX 17-FEB-2000; 2000US-0183319P.
PR 16-MAR-2000; 2000US-0189862P.
PR 25-MAY-2000; 2000US-0207454P.
PR 09-JUN-2000; 2000US-0211314P.
PR 18-JUL-2000; 2000US-0219007P.
PR 13-DEC-2000; 2000US-0255281P.
XX
XX (MILL-) MILLENNIUM PREDICTIVE MEDICINE INC.
XX
XX Schlegel R, Endege WO, Monahan JE;
PI
XX WPI; 2001-662795/76.
DR
XX
XX Novel isolated nucleic acid molecule associated with cancerous state of
PT prostate cells and correlating with presence of prostate cancer, useful
PT for detecting presence of prostate cancer, stage of prostate cancer.
XX
XX Claim 1; Page 9110-9111; 11750pp; English.
XX
XX The invention relates to an isolated nucleic acid molecule (I) comprising
CC a nucleotide sequence given in Tables 1-9 (ABV00010-ABV62213) of the
CC specification or its complement. (I) is useful for: (a) assessing whether
CC a patient is afflicted with prostate cancer; (b) monitoring the
CC progression of prostate cancer in a patient; (c) assessing the efficacy
CC of a test compound to inhibit prostate cancer in a patient; (d) assessing
CC the efficacy of a therapy for inhibiting prostate cancer in a patient;
CC (e) selecting a composition for inhibiting prostate cancer in a patient;
CC (f) assessing the prostate cell carcinogenic potential of a compound; (g)
CC determining whether prostate cancer has metastasized in a patient; (h)
CC assessing the aggressiveness or indolence of prostate cancer in a patient
CC ; (I) is also useful as a pharmacodynamic or pharmacogenomic marker
XX
SQ Sequence 465 BP; 161 A; 79 C; 82 G; 143 T; 0 U; 0 Other;

Query Match 3.8%; Score 18; DB 5; Length 465;
Best Local Similarity 100.0%; Pred.No. 94;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 185 GAGTTGTTTATATATTC 202
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Db 428 GAGTTGTTTATATATTC 411

RESULT 12
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ID AAC35341 standard; DNA; 565 BP.
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AC AAC35341;
XX
XX 17-OCT-2000 (first entry)
XX
XX Arabidopsis thaliana DNA fragment SEQ ID NO: 9835.
DE
XX Hybridisation assay; genetic mapping; gene expression control;
KW protein identification; signal transduction pathway; metabolic pathway;
KW promoter; termination sequence; ss.
XX
XX Arabidopsis thaliana.
OS
XX EP1033405-A2.
PN

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PD 06-SEP-2000.
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XX 25-FEB-2000; 2000EP-00301439.
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XX 25-FEB-1999; 99US-0121825P.
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PR 29-OCT-1999; 99US-0162142P.

Query Match 3.8%; Score 18; DB 3; Length 565;
Best Local Similarity 100.0%; Pred.No. 94;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 57 TGTGTTTGAGTTCCTCAA 40

RESULT 13
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AC AEF29701;
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DT 23-MAR-2006 (first entry)
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DE Lead_CeresClone cDNA SEQ ID NO:1901.
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KW ss; gene; plant; transgenic plant; crop improvement;
XX abiotic stress tolerance; plant growth regulation.
XX Arabidopsis thaliana.
XX
XX WO2006004955-A2.
XX
PD 12-JAN-2006.
XX
XX 30-JUN-2005; 2005WO-US023326.
XX
XX 30-JUN-2004; 2004US-0583621P.
XX 30-JUN-2004; 2004US-0584800P.
XX 30-JUN-2004; 2004US-0584829P.

XX PA (CERE-) CERES INC.
XX PI Alexandrov N, Brover V, Mascia P, Feldmann K;
XX DR WPI; 2006-090599/09.
XX DR P-FSDB; AEF29702.
XX PT New isolated nucleic acid molecule modifying plant phenotypes and
XX PT characteristics and the polypeptide it encodes, useful for making
XX PT transgenic plants with improved characteristics.
XX PS Claim 2; SEQ ID NO 1901; 612pp; English.
XX CC The invention relates to an isolated nucleic acid molecule modifying
XX CC plant phenotypes and characteristics, comprising a nucleotide sequence
XX CC that encodes an amino acid sequence exhibiting at least 85% sequence
XX CC identity to an amino acid sequence in the sequence listing or in the
XX CC ortholog alignments of Figure 1, a nucleic acid, which is a complement of
XX CC (a), a nucleic acid, which is the reverse of the nucleotide sequence in
XX CC (a) such that the reverse nucleotide sequence has a sequence order which
XX CC is the reverse of the sequence order of (a) or a nucleic acid capable of
XX CC hybridizing (a-c), under conditions that permit formation of a nucleic
XX CC acid duplex at a temperature of 40-48 degrees C below the melting
XX CC temperature of the nucleic acid duplex. Also included are a vector
XX CC construct (comprising a first nucleic acid having a regulatory sequence
XX CC capable of causing transcription and/or translation in a plant, operably
XX CC linked to a second nucleic acid having the sequence of the isolated
XX CC nucleic acid molecule), a host cell comprising the isolated nucleic acid
XX CC molecule that is flanked by exogenous sequence, a host cell comprising
XX CC the vector construct, an isolated polypeptide comprising an amino acid
XX CC sequence exhibiting at least 85% sequence identity to those cited above,
XX CC introducing an isolated nucleic acid into a host cell, transforming a
XX CC host cell, detecting a nucleic acid in a sample, a host cell or organism
XX CC comprising the nucleic acid molecule, a plant generated from the plant
XX CC cell or seed, a plant (plant cell, plant material or seed) comprising the
XX CC nucleic acid molecule (where the plant has improved characteristics as
XX CC compared to a wild type plant), improving plant characteristics in a
XX CC plant comprising transforming the plant with the nucleic acid sequence,
XX CC and a transgenic plant having a gene construct (comprising the nucleic
XX CC acid encoding a component operably linked to a plant promoter so that the
XX CC component is ectopically overexpressed in the transgenic plant). The
XX CC transgenic plant exhibits faster rate of growth, greater fresh of dry
XX CC weight of maturation, greater fruit or seed yield, higher tolerance to
XX CC pH, higher tolerance to low phosphate concentration, or higher tolerance
XX CC to low nitrogen concentration than a progenitor plant, which does not
XX CC contain the progenitor construct, when the transgenic plant and
XX CC progenitor plant are cultivated under identical environmental conditions,
XX CC where the component is any one of the polypeptides cited above. The
XX CC nucleic acid molecules are useful for producing transgenic plants with
XX CC improved characteristics. The present sequence is a plant nucleic acid
XX CC (cDNA) of the invention.
XX SQ Sequence 565 BP; 210 A; 99 C; 108 G; 148 T; 0 U; 0 Other;
Query Match 3.8%; Score 18; DB 15; Length 565;
Best Local Similarity 100.0%; Pred. No. 94;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 397 TGTGTTTGGAGTTCTTCAA 414
|||||
Db 57 TGTGTTTGGAGTTCTTCAA 40
RESULT 14
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ID AAH12181 standard; cDNA; 575 BP.
XX AC AAH12181;
XX DT 26-JUN-2001 (first entry)
XX DE Human cDNA clone (3'-primer) SEQ ID NO:9016.

XX KW Human; primer; detection; diagnosis; antisense therapy; gene therapy; ss.
XX OS Homo sapiens.
XX XX EP1074617-A2.
XX XX 07-FEB-2001.
XX PF 28-JUL-2000; 2000EP-00116126.
XX PR 29-JUL-1999; 99JP-00248036.
XX PR 27-AUG-1999; 99JP-00300253.
XX PR 11-JAN-2000; 2000JP-00118776.
XX PR 02-MAY-2000; 2000JP-00183767.
XX PR 09-JUN-2000; 2000JP-00241899.
XX PA (HELI-) HELIX RES INST.
XX PI Ota T, Isogai T, Nishikawa T, Hayashi K, Saito K, Yamamoto J;
XX PI Ishii S, Sugiyama T, Wakamatsu A, Nagai K, Otsuki T;
XX DR WPI; 2001-318749/34.
XX PT Primer sets for synthesizing polynucleotides, particularly the 5602 full-
XX PT length cDNAs defined in the specification, and for the detection and/or
XX PT diagnosis of the abnormality of the proteins encoded by the full-length
XX PT cDNAs.
XX PS Claim 3; SEQ ID NO 9016; 2537pp + Sequence Listing; English.
XX CC The present invention describes primer sets for synthesizing 5602 full-
XX CC length cDNAs defined in the specification. Where a primer set comprises:
XX CC (a) an oligo-dT primer and an oligonucleotide complementary to the
XX CC complementary strand of a polynucleotide which comprises one of the 5602
XX CC nucleotide sequences defined in the specification, where the
XX CC oligonucleotide comprises at least 15 nucleotides; or (b) a combination
XX CC of an oligonucleotide comprising a sequence complementary to the
XX CC complementary strand of a polynucleotide which comprises a 5'-end
XX CC sequence and an oligonucleotide comprising a sequence complementary to a
XX CC polynucleotide which comprises a 3'-end sequence, where the
XX CC oligonucleotide comprises at least 15 nucleotides and the combination of
XX CC the 5'-end sequence/3'-end sequence is selected from those defined in the
XX CC specification. The primer sets can be used in antisense therapy and in
XX CC gene therapy. The primers are useful for synthesizing polynucleotides,
XX CC particularly full-length cDNAs. The primers are also useful for the
XX CC detection and/or diagnosis of the abnormality of the proteins encoded by
XX CC the full-length cDNAs. The primers allow obtaining of the full-length
XX CC cDNAs easily without any specialised methods. AAH03166 to AAH13628 and
XX CC AAH13633 to AAH18742 represent human cDNA sequences; AAH92446 to AAH95893
XX CC represent human amino acid sequences; and AAH13629 to AAH13632 represent
XX CC oligonucleotides, all of which are used in the exemplification of the
XX CC present invention
XX SQ Sequence 575 BP; 184 A; 104 C; 124 G; 155 T; 0 U; 8 Other;
Query Match 3.8%; Score 18; DB 4; Length 575;
Best Local Similarity 100.0%; Pred. No. 94;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 90 TGATGTTTCTTCTCAAC 73
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AAA70256
ID AAA70256 standard; DNA; 675 BP.
XX AC AAA70256;
XX DT 07-NOV-2000 (first entry)
XX DE

us-10-764-316-5.olig.rng

Mon Nov 6 11:55:53 2006

DE Plasmodium falciparum chromosome 2 related DNA sequence SEQ ID NO:389.
XX Plasmodium falciparum; chromosome 2; human malaria parasite; vaccine;
KW antimalarial; malaria; protozoacide; infection; insecticide; ds.
XX Plasmodium falciparum.
OS WO200025728-A2.
XX
XX
XX 11-MAY-2000.
XX
XX 05-NOV-1999; 99WO-US026796.
XX
XX 05-NOV-1998; 98US-0107131P.
XX (HOFF/) HOFFMAN S.
PA (CARU/) CARUCCI D.
PA (GARD/) GARDNER M.
PA (VENT/) VENTER J C.
XX
XX Hoffman S, Carucci D, Gardner M, Venter JC;
PI WPI; 2000-365347/31.
XX
XX Proteins encoded by chromosome 2 of the human malarial parasite,
PT Plasmodium falciparum, useful as antimalarial vaccines and in the
PT diagnosis of P.falciparum infection.
XX
XX Disclosure; Page 564; 577pp; English.
XX
XX The present invention describes proteins and their fragments (I) encoded
CC by chromosome 2 of the human malarial parasite, Plasmodium falciparum.
CC Also described are: (I) nucleotide sequences (II) encoding (I); and (2)
CC vaccines against P. falciparum infection comprising (I) or (II). (I) and
CC (II) are useful for the development of vaccines against P. falciparum
CC infection. (I) and polyclonal antisera or a monoclonal antibody raised to
CC immunogens comprising the sequences of (I), are useful in the detection
CC of infection with P. falciparum. Furthermore, (I) (especially when they
CC are rifins or secreted or membrane proteins) can aid the identification
CC of drugs to treat or prevent P. falciparum infection, or they can be used
CC to identify drug resistance in P. falciparum. Sequencing of the
CC Plasmodium chromosome 2 and the subsequent identification of proteins
CC encoded by it will help to expand our understanding of parasite biology,
CC a process hampered by the complexity of the parasitic lifecycle, and
CC provide new targets for vaccine and drug development. Parasite resistance
CC to drugs and mosquito resistance to insecticides have led to a resurgence
CC of malaria in many parts of the world, and there is a pressing need for
CC vaccines and new drugs. AAA70078 to AAA70287 and AAB18144 to AAB18352
CC represent nucleotide and protein sequences given in the present
CC invention, but which are not specifically mentioned within the
CC specification
XX
XX SQ Sequence 675 BP; 300 A; 71 C; 91 G; 213 T; 0 U; 0 Other;
Query Match 3.8%; Score 18; DB 3; Length 675;
Best Local Similarity 100.0%; Pred. No. 94;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Job time : 279.593 secs

GenCore version 5.1.9
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Title: US-10-764-316-5

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Searched: 6366136 seqs, 31973710525 residues

Word size : 1

Total number of hits satisfying chosen parameters: 12730834

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database : GenEmbl : *

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4: gb_pl:★

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7: gb_ro: *

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13: gb_in: *

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is the number

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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DEFINITION Escherichia coli B6468/62 (O86:H34) cytolethal distending toxin
ACCESSION U03293
VERSION U03293.1 GI:416213
KEYWORDS
SOURCE Escherichia coli
ORGANISM Escherichia coli
Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
Enterobacteriaceae; Escherichia.
REFERENCE 1 (bases 1 to 2305)
AUTHORS Scott,D.A. and Kaper,J.B.
TITLE Cloning and sequencing of the genes encoding Escherichia coli
cytolethal distending toxin
JOURNAL Infect. Immun. 62 (1), 244-251 (1994)
PUBMED 8262635
REFERENCE 2 (bases 1 to 2305)
AUTHORS Scott,D.A.
TITLE Direct Submission
JOURNAL Submitted (09-NOV-1993) Scott D.A., University of Maryland School
of Medicine, Geographic Med., Center for Vaccine Dev., 10 South
Pine Street, Baltimore, MD 21201, USA

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gene
CDS

COMMENT On Jul 7, 2004 this sequence version replaced gi:49175456.

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ORIGIN
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Best Local Similarity 100.0%; Pred. No. 1.5e-291;
Matches 467; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2 GAAATAAATGGAACACATGTCGACAACTTGTTACGGGAGGTGGTGTGTTGATATC 61
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QY 62 CTGATGTTTCAGAGCAGGCGGACGATCCAGCTTCTGCAACCTGTTGACTGAGCGAGAAATT 121
DB 840 CTGATGTTTCAGAGCAGGCGGACGATCCAGCTTCTGCAACCTGTTGACTGAGCGAGAAATT 899
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DB 900 AGCACTCTGATATTCGATGAATAGTATATCTGGAATACCGGAACCAATAGTCGCCCA 959
QY 182 CAGGAGTTGTTATATATTTCTACCGTGTGTTGATGCTATTCGCTAACAGAGTAAATCTTGGC 241
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QY 242 ATTGTTTCAACAGAGAGCTGATGAGGTGATGTTATTAATCTCTCCAACTGTTGATCA 301
DB 1020 ATTGTTTCAACAGAGAGCTGATGAGGTGATGTTATTAATCTCTCCAACTGTTGATCA 1079
QY 302 CGACCGATCATCGCATTAAGTAATGATGTTTCTTCTCAACCCATGCAATGGCG 361

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ORIGIN

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Best Local Similarity 100.0%; Pred. No. 1.5e-291;
Matches 467; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 62 CTGATGGTTACGAGCGAGGCGAGTACACAGCTTCTGCAACGTTGACTGAGCGAGAAATTT 121
DB 1079 CTGATGGTTACGAGCGAGGCGAGTACACAGCTTCTGCAACGTTGACTGAGCGAGAAATTT 1138

QY 122 AGCACTCTCGTATTCGATGAATGAGTATATCTGGAATACCGGAACCAATAGTCGCCCA 181
DB 1139 AGCACTCTCGTATTCGATGAATGAGTATATCTGGAATACCGGAACCAATAGTCGCCCA 1198

QY 182 CAGGAGTGTGTTATATTTCTCACGTTGTGATGCAATTCGCTAACAGAGTAAATCTTGGC 241
DB 1199 CAGGAGTGTGTTATATTTCTCACGTTGTGATGCAATTCGCTAACAGAGTAAATCTTGGC 1258

QY 242 ATTGTTTCAACAGAGAGCTGATGAGTGAATGTTATACCTCTCAACTGTTGATCA 301
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QY 302 CGACCGATCATCGGCATTAGAAATGGTAATGATGTTTCTCAACCCCATGATGGCG 361
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QY 362 AATCGGGCGGTGATTCAGGAGCAATTTGTAATAGTGTGTTTGGAGTTCTTCAACAGACAA 421
DB 1379 AATCGGGCGGTGATTCAGGAGCAATTTGTAATAGTGTGTTTGGAGTTCTTCAACAGACAA 1438

QY 422 ACGGATCCTATAGACAGCGCGCTAACTGATGATTCGAGGAGATTT 468
DB 1439 ACGGATCCTATAGACAGCGCGCTAACTGATGATTCGAGGAGATTT 1485

RESULT 3

AY351905
LOCUS
DEFINITION Escherichia coli strain VTE1456 cytolethal distending toxin (cdtB)
gene, partial cds.
ACCESSION AY351905
VERSION AY351905.1 GI:34101070
KEYWORDS
SOURCE Escherichia coli
ORGANISM Escherichia coli
Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
Enterobacteriaceae; Escherichia.
1 (bases 1 to 462)
REFERENCE Pandey, M., Khan, A., Das, S.C., Sarkar, B., Kahali, S., Chakraborty, S.,
Chattopadhyay, S., Yamasaki, S., Takeda, Y., Nair, G.B. and
Ramamurthy, T.

TITLE

Association of Cytolethal Distending Toxin Locus cdtB with
Enteropathogenic Escherichia coli Isolated from Patients with Acute
Diarrhea in Calcutta, India
J. Clin. Microbiol. 41 (11), 5277-5281 (2003)

JOURNAL

PUBMED

REFERENCE

AUTHORS

Pandey, M., Khan, A., Das, S.C., Sarkar, B., Kahali, S., Chakraborty, S.,
Chattopadhyay, S., Yamasaki, S., Takeda, Y., Nair, G.B. and
Ramamurthy, T.

TITLE

JOURNAL

PUBMED

REFERENCE

AUTHORS

TITLE

JOURNAL

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REFERENCE

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DEFINITION Escherichia coli strain GB1807 cytolethal distending toxin (cdtB)
ACCESSION AY351906
VERSION AY351906.1 GI:34101072
KEYWORDS
SOURCE
ORGANISM Escherichia coli
Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
Enterobacteriaceae; Escherichia.
REFERENCE
AUTHORS Pandey,M., Khan,A., Das,S.C., Sarkar,B., Kahali,S., Chakraborty,S.,
Chattopadhyay,S., Yamasaki,S., Takeda,Y., Nair,G.B. and
Ramamurthy,T.
TITLE Association of Cytolethal Distending Toxin Locus cdtB with
Enteropathogenic Escherichia coli Isolated from Patients with Acute
Diarrhea in Calcutta, India
J. Clin. Microbiol. 41 (11), 5277-5281 (2003)
14605183
JOURNAL PUBLISHED
AUTHORS Pandey,M., Khan,A., Das,S.C., Sarkar,B., Kahali,S., Chakraborty,S.,
Chattopadhyay,S., Yamasaki,S., Takeda,Y., Nair,G.B. and
Ramamurthy,T.
TITLE Direct Submission
JOURNAL Submitted (24-JUL-2003) Microbiology, National Institute of Cholera
and Enteric Diseases, P-33, CIT Road, Scheme, XM, Beliaghata,
Calcutta, West Bengal 700010, India
LOCATION/Qualifiers
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Matches 462; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 422 ACGGATCTCTAATACACAGAGCGCGCTAACTGGATGATTCAGGA 463
DB 421 ACGGATCTCTAATACACAGAGCGCGCTAACTGGATGATTCAGGA 462

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LOCUS AY351907
DEFINITION Escherichia coli strain GB1371 cytolethal distending toxin (cdtB)
ACCESSION AY351907
VERSION AY351907.1 GI:34101074
KEYWORDS
SOURCE
ORGANISM Escherichia coli
Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
Enterobacteriaceae; Escherichia.
REFERENCE
AUTHORS Pandey,M., Khan,A., Das,S.C., Sarkar,B., Kahali,S., Chakraborty,S.,
Chattopadhyay,S., Yamasaki,S., Takeda,Y., Nair,G.B. and
Ramamurthy,T.
TITLE Association of Cytolethal Distending Toxin Locus cdtB with
Enteropathogenic Escherichia coli Isolated from Patients with Acute
Diarrhea in Calcutta, India
J. Clin. Microbiol. 41 (11), 5277-5281 (2003)
14605183
JOURNAL PUBLISHED
AUTHORS Pandey,M., Khan,A., Das,S.C., Sarkar,B., Kahali,S., Chakraborty,S.,
Chattopadhyay,S., Yamasaki,S., Takeda,Y., Nair,G.B. and
Ramamurthy,T.
TITLE Direct Submission
JOURNAL Submitted (25-JUL-2003) Microbiology, National Institute of Cholera
and Enteric Diseases, P-33, CIT Road, Scheme, XM, Beliaghata,
Calcutta, West Bengal 700010, India
LOCATION/Qualifiers
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Db 361 AATCGGGCGTGGATTTCAGGAGCAATTTGTAATAGTGTATTTTTCCTCAACAGACAA 420
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RESULT 6
AY426341
LOCUS
DEFINITION
  Escherichia coli 3015-99 cytolethal distending toxin B subunit
ACCESSION
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VERSION
  AY426341.1 GI:37575478
SOURCE
  Escherichia coli
ORGANISM
  Escherichia coli
  Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
  Enterobacteriaceae; Escherichia.
REFERENCE
  1 (bases 1 to 494)
  Pickett,C.L., Lee,R.B., Byigor,A., Elitzur,B., Fox,E.M. and
  Stroockbine,N.A.
  Patterns of Variations in Escherichia coli Strains That Produce
  Cytolethal Distending Toxin
  Infect. Immun. 72 (2), 684-690 (2004)
PUBMED
  14742509
REFERENCE
  2 (bases 1 to 494)
  Pickett,C.L., Lee,R.B., Byigor,A., Elitzur,B., Fox,E.M. and
  Stroockbine,N.A.
  Direct Submission
  Submitted (01-OCT-2003) Microbiology, Immunology, and Molecular
  Genetics, University of Kentucky, 800 Rose Street, Lexington, KY
  40536, USA
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Query Match 64.5%; Score 302; DB 15; Length 494;
Best Local Similarity 99.3%; Pred. No. 4.1e-184;

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Matches 452; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 2 GAAATAAATGGAACACACATGTCGACAACTTGTTACCGGAGTGGTGTGTATATC 61
Db 40 GAAATAAATGGAACACACATGTCGACAACTTGTTACCGGAGTGGTGTGTATATC 99
QY 62 CTGATGTTTCAGGAGGCGAGGAGTACCAGCTTCTGCAACGTTGACTGAGCGAGAATTT 121
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QY 122 AGCACTCTCTGGTATTCGATGAATGATATATCTGGAATACCGGAACCAATAGTCGCCCA 181
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RESULT 7
AF373205
LOCUS
DEFINITION
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ACCESSION
  AF373205
VERSION
  AF373205.1 GI:20385545
SOURCE
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ORGANISM
  Escherichia coli
  Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
  Enterobacteriaceae; Escherichia.
REFERENCE
  1 (bases 1 to 463)
  Bouzari,S., Oloomi,M. and Oswald,E.
  Detection of the cytolethal distending toxin locus cdtB among
  diarrheagenic Escherichia coli isolates from humans in Iran
  Res. Microbiol. 156 (2), 137-144 (2005)
PUBMED
  15748977
REFERENCE
  2 (bases 1 to 463)
  Bouzari,S., Oloomi,M. and Zarepoor,M.
  Direct Submission
  Submitted (22-APR-2001) Molecular Biology, Institute Pasteur of
  Iran, Pasteur Ave., Tehran 13164, Iran
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ORIGIN		CDS	
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DB	183	AGGAGTGTGTTATATATTTCTCAGCTGTTGATGCAATTCGCTAACAGAGTAAATCTTGGCA	242
QY	243	TTGTTTCAACAGAGAGCTGATGAGTGTGATTTGATTTACCTCTCCAACTGTTGTATCAC	302
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QY	303	GACCGATCATCGGCATTAGAATTGTAATGATGTTTCTTCAACCCATGCAATTCGCGA	362
DB	303	GACCGATCATCGGCATTAGAATTGTAATGATGTTTCTTCAACCCATGCAATTCGCGA	362
QY	363	ATCGGGGCGTGATTCAGGAGCAATGTAATAGTGTGTTTGTGTTTCAACAGACAAA	422
DB	363	ATCGGGGCGTGATTCAGGAGCAATGTAATAGTGTGTTTGTGTTTCAACAGACAAA	422
QY	423	CGGATCCTATAAGACAGCGCGCTAACTGGATGATTGCAGG	462
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AY426340		Escherichia coli 3180-98 cytolethal distending toxin B subunit	
LOCUS		(cdtB) gene, partial cds.	
ACCESSION		AY426340	
VERSION		AY426340.1 GI:37575476	
KEYWORDS		Escherichia coli	
SOURCE		Escherichia coli	
ORGANISM		Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales; Enterobacteriaceae; Escherichia.	
REFERENCE		1 (bases 1 to 495)	
AUTHORS		Pickett,C.L., Lee,R.B., Eyigor,A., Elitzur,B., Fox,E.M. and Strockbine,N.A.	
TITLE		Patterns of Variations in Escherichia coli Strains That Produce Cytolethal Distending Toxin	
JOURNAL		Infect. Immun. 72 (2), 684-690 (2004)	
PUBMED		14742509	
REFERENCE		2 (bases 1 to 495)	
AUTHORS		Pickett,C.L., Lee,R.B., Eyigor,A., Elitzur,B., Fox,E.M. and Strockbine,N.A.	
TITLE		Direct Submission	
JOURNAL		Submitted (01-OCT-2003) Microbiology, Immunology, and Molecular Genetics, University of Kentucky, 800 Rose Street, Lexington, KY 40536, USA	
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DB	100	CTGATGGTTTCAGGAGGAGGGCGAGTACCAAGCTTCTGCAACGTTGACTGAGCGAGAAATT	159
QY	122	AGCACTCCCTGGTATTCGATGAATGAGTATATCTGGAATACCGGAACCAATAGTCGCCCA	181
DB	160	AGCACTCCCTGGTATTCGATGAATGAGTATATCTGGAATACCGGAACCAATAGTCGCCCA	219
QY	182	CAGGAGTCTTTATATATATTTCTCAGCTGTTGATGATTCGTTAACAGAGTAATCTTGGCG	241
DB	220	CAGGAGTCTTTATATATATTTCTCAGCTGTTGATGATTCGTTAACAGAGTAATCTTGGCG	279
QY	242	ATTGTTTCAAAACAGAGAGCTGATGAGTGTGTTGATTACCTCCTCCAACTGTTGTATCA	301
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QY	302	CGACCGATCATCGGCATTAGAATTGTAATGATGTTTCTTCAACCCATGATTTGGCG	361
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AX140193		Sequence 3 from Patent WO0134205.	
LOCUS		AX140193	
DEFINITION		AX140193	
ACCESSION		AX140193.1 GI:14280533	
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REFERENCE		1	
AUTHORS		Purdy,D.M., Charlton,S.M. and Henderson,I.D.	
TITLE		Use of lytic toxins and toxin conjugates	
JOURNAL		Patent: WO 0134205-A 3 17-MAY-2001;	
TITLE		Microbiological Research Authority (GB)	
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DEFINITION	Escherichia coli cytolethal distending toxin B type IV (cdtB-IV)									
ACCESSION	AY162217									
VERSION	AY162217.1									
KEYWORDS	GI:34482170									
SOURCE	Escherichia coli									
ORGANISM	Escherichia coli									
REFERENCE	1 (bases 1 to 417)									
AUTHORS	Totth,I., Herault,F., Beutin,L. and Oswald,E.									
TITLE	Production of Cytolethal Distending Toxins By Pathogenic									
JOURNAL	Escherichia coli Strains Isolated from Human and Animal Sources:									
PUBMED	Establishment of the Existence of a New cdt Variant (Type IV)									
AUTHORS	J. Clin. Microbiol. 41 (9), 4285-4291 (2003)									
TITLE	12958258									
JOURNAL	2 (bases 1 to 417)									
PUBMED	Oswald, E.									
AUTHORS	Direct Submission									
TITLE	Submitted (11-OCT-2002) UMR960 de Microbiologie Moleculaire,									
JOURNAL	INRA-ENVT, 23 chemin des Capelles, Toulouse 31000, France									
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DEFINITION	Zebrafish DNA sequence from clone DKEY-263L8 in linkage group 1,									
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ACCESSION	BX465849									
VERSION	BX465849.10 GI:81685375									
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REFERENCE	1 (bases 1 to 136195)									
AUTHORS	Barker, G.									
TITLE	Direct Submission									
JOURNAL	Submitted (10-NOV-2005) Wellcome Trust Sanger Institute, Hinxton,									
	Cambridgeshire, CB10 1SA, UK. E-mail enquiries:									
	zfish-help@sanger.ac.uk Clone requests:									
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COMMENT	On Nov 10, 2005 this sequence version replaced gi.41392538.									
	----- Genome Center									

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Center: Wellcome Trust Sanger Institute
 Center code: SC
 Web site: <http://www.sanger.ac.uk>
 Contact: zfish-help@sanger.ac.uk

 This sequence was finished as follows unless otherwise noted: all regions were either double-stranded or sequenced with an alternate chemistry or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by at least one subclone; and the assembly was confirmed by restriction digest, except on the rare occasion of the clone being a YAC.

The following abbreviations are used to associate primary accession numbers given in the feature table with their source databases:

Em: EMBL; Sw: SWISSPROT; Tr: TREMBL; Wp: WORMPEP; Information on the WORMPEP database can be found at

http://www.sanger.ac.uk/projects/C_elegans/wormpep

Clone-derived zebrafish pUC subclones occasionally display

inconsistency over the length of mononucleotide A/T runs and

conserved TA repeats. Where this is found the longest good quality representation will be submitted.

Any regions longer than 1kb tagged as misc-feature 'unsaure' are part of a tandem repeat of more than 10kb in length where it has not been possible to anchor the base differences between repeat

copies. The region has been built up based on the repeat element to match the total size of repeat indicated by restriction digest,

but repeat copies may not be in the correct order and the usual finishing criteria may not apply.

DKEY-263L8 is from a Zebrafish BAC library

VECTOR: pindigoBAC-5.

FEATURES

source

Location/Qualifiers
 1. 136195
 /organism="Danio rerio"
 /mol_type="genomic DNA"
 /db_xref="taxon:7955"
 /chromosome="1"
 /clone="DKEY-263L8"
 /clone_lib="DanioKey"

ORIGIN

Query Match 4.5%; Score 21; DB 11; Length 136195;

Best Local Similarity 100.0%; Pred. No. 0.68;

Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 400 TTTTGGATCTTCAACAGACA 420

|||||
 Db 95145 TTTTGGATCTTCAACAGACA 95125

RESULT 13

AC128885

LOCUS

AC128885 141587 bp DNA linear HTG 20-NOV-2002

***, 4 unordered pieces.

DEFINITION Rattus norvegicus clone CH230-334P14, *** SEQUENCING IN PROGRESS

AC128885

AC128885.3

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

1 (bases 1 to 141587)
 Muzny, D., Marie, Metzker, M., Lee, Abramson, S., Adams, C., Alder, J., Allen, C., Allen, H., Alsbrooks, S., Amin, A., Anguiano, D., Anyalebechi, V., Aoyagi, A., Ayodeji, M., Baca, E., Baden, H., Baldwin, D., Bandaranaike, D., Barber, M., Barnstead, M., Benahmed, F., Biswal, K., Blair, J., Blankenburg, K., Blyth, P., Brown, M., Bryant, N., Buhay, C., Burch, P., Burrell, K., Calderon, E., Cardenas, V., Carter, K., Cavazos, I., Caesar, H., Center, A., Chacko, J., Chavez, D., Chen, G., Chen, R., Chen, Y., Chen, Z., Chu, J., Cleveland, C., Cockrell, R., Cox, C., Coyle, M., Cree, A., D'Souza, L., Davila, M.L., Davis, C., Davy-Carroll, L., De Anda, C., Dederich, D.,

Delgado, O., Denson, S., Deramo, C., Ding, Y., Dinh, H., Divya, K., Draper, H., Dugan-Rocha, S., Dunn, A., Durbin, K., Duval, B., Eaves, K., Egan, A., Escoto, M., Eugene, C., Evans, C.A., Falls, T., Fan, G., Fernandez, S., Finley, M., Flagg, N., Forbes, L., Foster, M., Foster, P., Frazer, C.M., Gabisi, A., Ganta, R., Garcia, A., Garner, T., Garza, M., Gregorogis, E., Geer, K., Gill, R., Grady, M., Guerra, W., Guevara, W., Gunaratne, P., Haaland, W., Hamil, C., Hamilton, C., Hamilton, K., Harvey, Y., Havlak, P., Hawes, A., Henderson, N., Hernandez, J., Hernandez, R., Hines, S., Hladun, S.L., Hodgson, A., Hogues, M., Hollins, B., Howells, S., Hulyk, S., Hume, J., Idlebird, D., Jackson, A., Jackson, L., Jacob, L., Jiang, H., Johnson, B., Johnson, R., Jolivet, A., Karpathy, S., Kelly, S., Kelly, S., Khan, Z., King, L., Kovar, C., Kowals, C., Kraft, C.L., Lebow, H., Levan, J., Lewis, L., Li, Z., Liu, J., Liu, J., Liu, W., Liu, Y., London, P., Longacre, S., Lopez, J., Lorenzueta, L., Loulseged, H., Lozado, R.J., Lu, X., Ma, J., Maheshwari, M., Mahindartne, M., Mahmoud, M., Malloy, K., Mangum, A., Mangum, B., Mapua, P., Martin, K., Martin, R., Martinez, E., Mathew, S., McLeod, M.P., McNeill, T.Z., Meenen, E., Milosavljevic, A., Miner, G., Minja, E., Montemayor, J., Moore, S., Morgan, M., Morris, K., Morris, S., Munidasa, M., Murphy, M., Nair, L., Nankervis, C., Neal, D., Newton, N., Nguyen, N., Norris, S., Parks, K., Nwokedeme, O., Okwuonu, G., Olampunsgoon, A., Pal, S., Parks, K., Pasternak, S., Paul, H., Perez, A., Perez, L., Pfannkuch, C., Plopper, P., Poindexter, A., Popovic, D., Primus, E., Pu, L., Puazo, M., Quiroz, J., Rachlin, E., Reeves, K., Regier, M.A., Reigh, R., Reilly, B., Reilly, M., Ren, Y., Reuter, M., Richards, S., Riggs, F., Rives, C., Rodkey, T., Rojas, A., Rose, M., Rose, R., Ruiz, S.J., Sanders, W., Savery, G., Scherer, S., Scott, G., Shatman, S., Shen, H., Shetty, J., Shvartsbeyn, A., Sisson, I., Sitter, C.D., Smajs, D., Sneed, A., Sodergren, E., Song, X.-Z., Sorelle, R., Sosa, J., Steimle, M., Strong, R., Sutton, A., Svatek, A., Tabor, P., Taylor, C., Taylor, T., Thomas, N., Thomas, S., Tingey, A., Trejos, Z., Umami, K., Valas, R., Vera, V., Villanana, D., Waldron, L., Walker, B., Wang, J., Wang, Q., Wang, S., Warren, R., Warren, R., Wei, X., White, F., Williams, G., Willson, R., Wleczyk, R., Wooden, H., Worley, K., Wright, D., Wright, R., Wu, J., Yakub, S., Yen, J., Yoon, L., Yoon, V., Yu, F., Zhang, J., Zhou, J., Zhou, X., Zhao, S., Dunn, D., von Niederhausern, A., Weiss, R., Smith, D.R., Holt, R.A., Smith, H.O., Weinstock, G. and Gibbs, R.A.

TITLE

JOURNAL

REFERENCE

AUTHORS

TITLE

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----- Genome Center
 Center: Baylor College of Medicine
 Center code: BCM
 Web site: <http://www.hgsc.bcm.tmc.edu/>
 Contact: hgsc-help@bcm.tmc.edu
 ----- Project Information
 ----- Project name: KAXT

```

Center clone name: CH230-334P14
----- Summary Statistics
Assembly program: Phrap; version 0.990329
Consensus quality: 127909 bases at least Q40
Consensus quality: 130224 bases at least Q30
Consensus quality: 131369 bases at least Q20
Estimated insert size: 129726; sum-of-contigs estimation
Quality coverage: 6x in Q20 bases; sum-of-contigs estimation

* NOTE: Estimated insert size may differ from sequence length
  (see http://www.hgsc.bcm.tmc.edu/docs/Genbank\_draft\_data.html).
* NOTE: This is a 'working draft' sequence. It currently
  consists of 4 contigs. The true order of the pieces
  is not known and their order in this sequence record is
  arbitrary. Gaps between the contigs are represented as
  runs of N, but the exact sizes of the gaps are unknown.
* This record will be updated with the finished sequence.
* as soon as it is available and the accession number will
  be preserved.
* 1 105419: contig of 105419 bp in length
* 105420 105519: gap of unknown length
* 105520 138656: contig of 33137 bp in length
* 138657 138756: gap of unknown length
* 138757 140163: contig of 1407 bp in length
* 140164 140263: gap of unknown length
* 140264 141587: contig of 1324 bp in length.
Location/Qualifiers
1. 141587
/organism="Rattus norvegicus"
/mol_type="genomic DNA"
/db_xref="taxon:10116"
/clone="CH230-334P14"
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/estimated_length=unknown
105520..107531
/note="wgs contig"
138657..138756
/estimated_length=unknown
140164..140263
/estimated_length=unknown

FEATURES
source
gap
misc_feature
gap
gap

ORIGIN
Query Match 4.5%; Score 21; DB 12; Length 141587;
Best Local Similarity 100.0%; Pred. No. 0.68;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 388 TGTAAATAGTGTTTTGAGTT 408
Db 84315 TGTAAATAGTGTTTTGAGTT 84335

RESULT 14
AC175073/c
LOCUS
DEFINITION Bos taurus clone CH240-245G12, *** SEQUENCING IN PROGRESS ***, 29
unordered pieces.
AC175073
ACCESSION AC175073.2 GI:86200618
VERSION
KEYWORDS HTG; HTGS_PHASE1; HTGS_DRAFT; HTGS_ENRICHED.
SOURCE
ORGANISM Bos taurus (cattle)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; Ruminantia;
Pecora; Bovidae; Bovinae; Bos.
1 (bases 1 to 191669)
Muzny, D., Adams, C., Agbai II, O., Allen, C., Alsbrooks, S., Archer, P.,
Aredondo, H., Bandaranaike, D., Bangura, L., Beltran, S., Beltran, R.,
Beraducci, A., Bishwal, K., Blyth, P., Bonham, H., Buhay, C., Burch, P.,
Cadoree, J., Canada, A., Cardenas, V., Carter, K., Cavazos, I.,
Chacko, J., Chahrour, M., Chavez, D., Chen, A., Chen, G., Chen, R.,
Cheng, M.-T., Chu, J., Clerc, K., Cockrell, R., Coyle, M., Cree, A.,
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Anda, C., Delgado, O., Denson, S., Deramo, C., Ding, Y., Dinh, H.,
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Dziuda, D., Egan, A., Escotto, M., Espinosa V., Eugene, C., Fa, M.,
Fernandez, S., Fernando, P., Flagg, N., Forbes, L., Foster, P.,
Fowler, G., Fu, Q., Fuh, E., Garcia, A., Garcia, R., Garner, T.,
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Hawes, A., Hawkins, E., Hayes, S., Hemphill, L., Hernandez, J.,
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Leal, S., Lee, K., Lee, S., LeGall, F.I., Lemon, S., Lewis, L., Li, B.,
Li, Y., Li, Z., Linnell, M., Liu, W., Liu, Y.-S., Liu, Y., Liyanage, D.,
London, P., Lopez, J., Lorensuhs, L., Lozada, R., Luk, T., Madu, R.,
Maheshwari, M., Mahoney, C., Malloy, K., Mancouri, D., Martinez, E.,
McClelland, H., McPherson, J., Mercadado, C., Metzger, M.,
Milosavljevic, A., Minja, E., Morgan, M., Morris, S., Munidasa, M.,
Murray, D., Nazareth, L., Ngo, D., Nguyen, N., Norwig-Eastaugh, E.,
Nott, A., Nwackeleme, O., Obregon, M., Ochi-Okorie, C., Odeh, E.,
Okwuonu, G., Okwuonu, K., Parker, D., Pasternak, S., Patel, B.,
Patel, V., Paul, H., Perez, A., Perez, L., Petrosino, J., Pham, T.,
Primus, E., Pu, L.-L., Puazo, M., Qin, X., Quinn, A., Quiroz, J.,
Rabata, D., Rachlin, E., Reigh, R., Ren, Y., Reuter, M., Richards, S.,
Rives, C., Rodriguez, F., Rojas, A., Ruiz, S.J., Sana, M., Sanders, W.,
Santibanez, J., Santos, R., Savery, G., Scherer, S., Shen, H., Shen, Y.,
Sisson, I., Sneed, A., Sodergren, E., Song, X.-Z., Sorelle, R.,
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Trejos, Z., Usmani, K., Vargo, C., Verduco, D., Villalana, D., Virk, D.,
Volkov, A., Waldron, L., Walker, B., Wang, O., Wang, S., Warren, J.,
Wei, X., Wheeler, D., Williams, G., Williams, R., Worley, K., Wright, R.,
Wu, J., Yakub, S., Yan, K., Yuan, Y., Yu, F., Zhang, J., Zhang, L.,
Zhang, Z., Zhou, J., Weinstein, G. and Gibbs, R.A.
Direct Submission
Unpublished 2 (bases 1 to 191669)
Worley, K.C.
Direct Submission
Submitted (06-JAN-2006) Human Genome Sequencing Center, Department
of Molecular and Human Genetics, Baylor College of Medicine, One
Baylor Plaza, Houston, TX 77030, USA
3 (bases 1 to 191669)

Bovine Genome Sequencing Consortium
Direct Submission
Submitted (31-JAN-2006) Human Genome Sequencing Center, Department
of Molecular and Human Genetics, Baylor College of Medicine, One
Baylor Plaza, Houston, TX 77030, USA
On Jan 31, 2006 this sequence version replaced gi:84490450.
The sequence in this assembly is a combination of BAC based reads
and whole genome shotgun sequencing reads assembled using Atlas
(http://www.hgsc.bcm.tmc.edu/projects/rat/). Each contig described
in the feature table below represents a scaffold in the Atlas
assembly (a 'contig-scaffold'). Within each contig-scaffold,
individual sequence contigs are ordered and oriented, and separated
by sized gaps filled with Ns to the estimated size. The sequence
contigs within a contig-scaffold that consist entirely of whole
genome shotgun sequence reads. Both end sequences and whole genome
shotgun sequence only contigs will be indicated in the feature
table.
----- Genome Center
Center: Baylor College of Medicine
Center code: BCM
Web site: http://www.hgsc.bcm.tmc.edu/
Contact: hgsc-help@bcm.tmc.edu
----- Project Information
Center project name: FNEW
Center clone name: CH240-245G12
----- Summary Statistics
Assembly program: Atlas 3.0;
Consensus quality: 169512 bases at least Q40
Consensus quality: 171717 bases at least Q30

```

Consensus quality: 173988 bases at least Q20
Estimated insert size: 175814; sum-of-contigs estimation
Quality coverage: 5x in Q20 bases; sum-of-contigs estimation

* NOTE: Estimated insert size may differ from sequence length
* (see http://www.hgsc.bcm.tmc.edu/docs/genbank_draft_data.html).
* NOTE: This is a 'working draft' sequence. It currently
* consists of 29 contigs. The true order of the pieces
* is not known and their order in this sequence record is
* arbitrary. Gaps between the contigs are represented as
* runs of N, but the exact sizes of the gaps are unknown.
* This record will be updated with the finished sequence
* as soon as it is available and the accession number will
* be preserved.

1 1361: contig of 1361 bp in length
* 1362 2075: gap of 714 bp
* 2076 6880: contig of 4605 bp in length
* 6881 6780: gap of unknown length
* 6781 11436: contig of 4656 bp in length
* 11437 12103: gap of 667 bp
* 12104 13463: contig of 1360 bp in length
* 13464 13670: gap of 207 bp
* 13671 17094: contig of 3424 bp in length
* 17095 17503: gap of 409 bp
* 17504 21392: contig of 3889 bp in length
* 21393 21492: gap of unknown length
* 21493 36367: contig of 14875 bp in length
* 36368 36417: gap of 50 bp
* 36418 42996: contig of 6579 bp in length
* 42997 43046: gap of 50 bp
* 43047 55330: contig of 12284 bp in length
* 55331 57120: contig of 1740 bp in length
* 57121 65692: gap of 8572 bp
* 65693 68984: contig of 3292 bp in length
* 68985 69034: gap of 50 bp
* 69035 71002: contig of 1968 bp in length
* 71003 71052: gap of 50 bp
* 71053 77566: contig of 6514 bp in length
* 77567 78438: gap of 872 bp
* 78439 82513: contig of 4075 bp in length
* 82514 82563: gap of 50 bp
* 82564 92873: contig of 10260 bp in length
* 92874 96190: contig of 3317 bp in length
* 96191 96240: gap of 50 bp
* 96241 99785: contig of 3545 bp in length
* 99786 100387: gap of 602 bp
* 100388 108057: contig of 7670 bp in length
* 108058 120856: contig of 12749 bp in length
* 120857 120906: gap of 50 bp
* 120907 126815: contig of 5909 bp in length
* 126816 126865: gap of 50 bp
* 126866 133104: contig of 6239 bp in length
* 133105 133204: gap of unknown length
* 133205 161407: contig of 28203 bp in length
* 161408 161457: gap of 50 bp
* 161458 178544: contig of 17087 bp in length
* 178545 178644: gap of unknown length
* 178645 180745: contig of 2001 bp in length
* 180746 181866: contig of 1121 bp in length
* 180746 181867: gap of unknown length
* 181867 183136: contig of 1170 bp in length
* 183137 183236: gap of unknown length
* 183237 184890: contig of 1654 bp in length
* 184891 184990: gap of unknown length
* 184991 187827: contig of 2837 bp in length
* 187828 187927: gap of unknown length
* 187928 191669: contig of 3742 bp in length.
1. .191669

FEATURES
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/db_xref="taxon:9913"
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Query Match 4.5%; Score 21; DB 12; Length 191669;
Best Local Similarity 100.0%; Pred. No. 0.7;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 385 AATTGTAATAGTGTTTTGA 405
|||||
Db 29658 AATTGTAATAGTGTTTTGA 29638

RESULT 15
AC107439/c AC107439 238377 bp DNA linear HTG 19-NOV-2002
LOCUS Rattus norvegicus clone CH230-229M1, *** SEQUENCING IN PROGRESS
DEFINITION ***; 8 unordered pieces.
ACCESSION AC107439
VERSION AC107439.5 GI:25075945
KEYWORDS HTG; HTGS_PHASE1; HTGS_DRAFT; HTGS_ENRICHED.
SOURCE Rattus norvegicus
ORGANISM Rattus norvegicus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
Sciurognathi; Muridea; Muridae; Murinae; Rattus.
1 (bases 1 to 238377)
REFERENCE
AUTHORS Muzny, D., Marie, J., Metzker, M., Lee, J., Abruzzo, S., Adams, C., Alder, J.,
Allen, C., Allen, H., Alsbrooks, S., Amin, A., Anguiano, D.,
Anyalebechi, V., Aoyagi, A., Ayodeji, M., Baca, E., Baden, H.,
Baldwin, D., Bandaranaike, D., Barber, M., Barnstead, M., Benahmed, P.,
Biswal, K., Blair, J., Blankenburg, K., Blyth, P., Brown, M.,
Bryant, N., Buhay, C., Burch, P., Burrell, K., Calderon, E.,
Cardenas, V., Carter, K., Cavazos, I., Ceasar, H., Center, A.,
Chacko, J., Chavez, D., Chen, G., Chen, R., Chen, Y., Chen, Z., Chu, J.,
Cleveland, C., Cockrell, R., Cox, C., Coyle, M., Cree, A., D'Souza, L.,
Davila, M. L., Davis, C., Davy-Carroll, L., De Anda, C., Dederich, D.,
Delgado, O., Denson, S., Deramo, C., Ding, Y., Dinh, H., Divya, K.,
Draper, H., Dugan-Rocha, S., Dunn, A., Durbin, K., Duval, B., Eaves, K.,
Egan, A., Escotto, M., Eugene, C., Evans, C. A., Falls, T., Fan, G.,
Fernandez, S., Finley, M., Flagg, N., Forbes, L., Foster, M., Foster, P.,
Fraser, C. M., Gabisi, A., Ganta, R., Garcia, A., Garner, T., Garza, M.,

Gebregeorgis, B., Geer, K., Gill, R., Grady, M., Guerra, W., Guevara, W., Gunaratne, P., Haaland, W., Hamill, C., Hamilton, C., Hamilton, K., Harvey, Y., Havlak, P., Hawes, A., Henderson, N., Hernandez, J., Hernandez, R., Hines, S., Hladun, S.L., Hodgson, A., Hognes, M., Hollins, B., Howells, S., Hulyk, S., Hume, J., Idlebird, D., Jackson, A., Jackson, L., Jacob, L., Jiang, H., Johnson, B., Johnson, R., Jolivet, A., Karpathy, S., Kelly, S., Kelly, S., Khan, Z., King, L., Kovar, C., Kowis, C., Kratt, C.L., Lebow, H., Levan, J., Lewis, L., Li, Z., Liu, J., Liu, J., Liu, W., Liu, Y., London, P., Longacre, S., Lopez, J., Lorensuhow, L., Louleghed, H., Lozado, R.J., Lu, X., Ma, J., Maheshwari, M., Mahindartne, M., Mahmoud, M., Malloy, K., Mangum, A., Mangum, B., Mapua, P., Martin, K., Martin, R., Martinez, E., Mathew, S., McLeod, M.P., McNeill, T.Z., Meenen, E., Milobavljovic, A., Miner, G., Minja, E., Montemayor, J., Moore, S., Morgan, M., Morris, K., Morris, S., Mundasa, M., Murphy, M., Nair, L., Nankervis, C., Neal, D., Newton, N., Nguyen, N., Norris, S., Parks, K., Nwaokelameh, O., Okwuonu, G., Olarnpusagoon, A., Pal, S., Pankoch, C., Pasternak, S., Paul, H., Perez, A., Perez, L., Pfannkuch, C., Plopper, P., Polindexter, A., Popovic, D., Primus, E., Pu, L.-L., Puazo, M., Quiroz, J., Rachlin, E., Reeves, K., Regier, M.A., Reigh, R., Reilly, B., Reilly, M., Ren, Y., Reuter, M., Richards, S., Riggs, F., Rives, C., Rodkey, T., Rojase, A., Rose, M., Rose, R., Ruiz, S.J., Sanders, W., Savery, G., Scherer, S., Scott, G., Shatsman, S., Shen, H., Shetty, J., Shvartsbeyn, A., Sisson, I., Sitter, C.D., Smajls, D., Sneed, A., Sodergren, E., Song, X.-Z., Sorelle, R., Sosa, J., Steinle, M., Strong, R., Sutton, A., Svatek, A., Tabor, P., Taylor, C., Taylor, T., Thomas, N., Thomas, S., Tingey, A., Trejos, Z., Usmani, K., Valas, R., Vera, V., Villaseana, D., Waldrton, L., Walker, B., Wang, J., Wang, Q., Wang, S., Warren, J., Warren, R., Wei, X., White, F., Williams, G., Willson, R., Wleczyk, R., Woodson, H., Worley, K., Wright, D., Wright, R., Wu, J., Yakub, S., Yen, J., Yoon, L., Yoon, V., Yu, F., Zhang, J., Zhou, J., Zhou, X., Zhao, S., Dunn, D., von Niederhauser, A., Weiss, R., Smith, D.R., Holt, R.A., Smith, H.O., Weinstock, G. and Gibbs, R.A.

Direct Submission
Unpublished
2 (bases 1 to 238377)
Worley, K.C.

Direct Submission
Submitted (21-JAN-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA
3 (bases 1 to 238377)

Rat Genome Sequencing Consortium.
Direct Submission
Submitted (19-NOV-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA
On Nov 19, 2002 this sequence version replaced gi:23603151.
The sequence in this assembly is a combination of BAC based reads and whole genome shotgun sequencing reads assembled using Atlas (http://www.hgsc.bcm.tmc.edu/projects/rat/). Each contig described in the feature table below represents a scaffold in the Atlas assembly (a 'contig-scaffold'). Within each contig-scaffold, individual sequence contigs are ordered and oriented, and separated by sized gaps filled with Ns to the estimated size. The sequence may extend beyond the ends of the clone and there may be sequence contigs within a contig-scaffold that consist entirely of whole genome shotgun sequence reads. Both end sequences and whole genome shotgun sequence only contigs will be indicated in the feature table.

----- Genome Center
Center: Baylor College of Medicine
Center code: BCM
Web site: http://www.hgsc.bcm.tmc.edu/
Contact: hgsc-help@bcm.tmc.edu
----- Project Information
Center project name: GNI
Center clone name: CH230-229M1
----- Summary Statistics
Assembly program: Phrap; version 0.990329
Consensus quality: 176033 bases at least Q40
Consensus quality: 178158 bases at least Q30

Consensus quality: 179520 bases at least Q20
Estimated insert size: 178417; sum-of-contigs estimation
Quality coverage: 6x in Q20 bases; sum-of-contigs estimation

* NOTE: Estimated insert size may differ from sequence length
* (see http://www.hgsc.bcm.tmc.edu/docs/Genbank_draft_data.html).
* NOTE: This is a 'working draft' sequence. It currently
* consists of 8 contigs. The true order of the pieces
* is not known and their order in this sequence record is
* arbitrary. Gaps between the contigs are represented as
* runs of N, but the exact sizes of the gaps are unknown.
* This record will be updated with the finished sequence
* as soon as it is available and the accession number will
* be preserved.
* 1 10410: contig of 10410 bp in length
* 10411 10510: gap of unknown length
* 10511 20957: contig of 10447 bp in length
* 20958 21057: gap of unknown length
* 21058 224179: contig of 203122 bp in length
* 224180 224279: gap of unknown length
* 224280 229533: contig of 5253 bp in length
* 229533 229632: gap of unknown length
* 229632 230665: contig of 1033 bp in length
* 230665 230765: gap of unknown length
* 230765 231997: contig of 1232 bp in length
* 231998 232097: gap of unknown length
* 232098 234781: contig of 2684 bp in length
* 234782 234881: gap of unknown length
* 234882 239377: contig of 3496 bp in length.
Location/Qualifiers
1..238377
/organism="Rattus norvegicus"
/mol_type="genomic DNA"
/db_xref="taxon:10116"
/clone="CH230-229M1"
1..1567
/note="wgs contig"
10411..10510
/estimated_length=unknown
10511..11540
/note="wgs contig"
20958..21057
/estimated_length=unknown
complement(200261..201154)
/note="clone_boundary"
clone_end:Sp6
site:
end sequence:BZ108180"
224180..224279
/estimated_length=unknown
224280..225441
/note="wgs_end_extension"
clone_end:Sp6"
229533..229632
/estimated_length=unknown
230666..230765
/estimated_length=unknown
231998..232097
/estimated_length=unknown
234782..234881
/estimated_length=unknown
shotgun_length=unknown
ORIGIN
Query Match 4.5%; Score 21; DB 12; Length 238377;
Best Local Similarity 100.0%; Pred. No. 0.71;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 388 TGTAAATAGTCTTTTGAGTT 408
|||||
Db 178170 TGTAAATAGTCTTTTGAGTT 178150
Search completed: November 4, 2006, 01:20:27

Job time : 2602.63 secs



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